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Occupational Injuries and Illnesses in the United States by Industry, 1983

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U.S. Department of Labor
Bureau of Labor Statistics
June 1985

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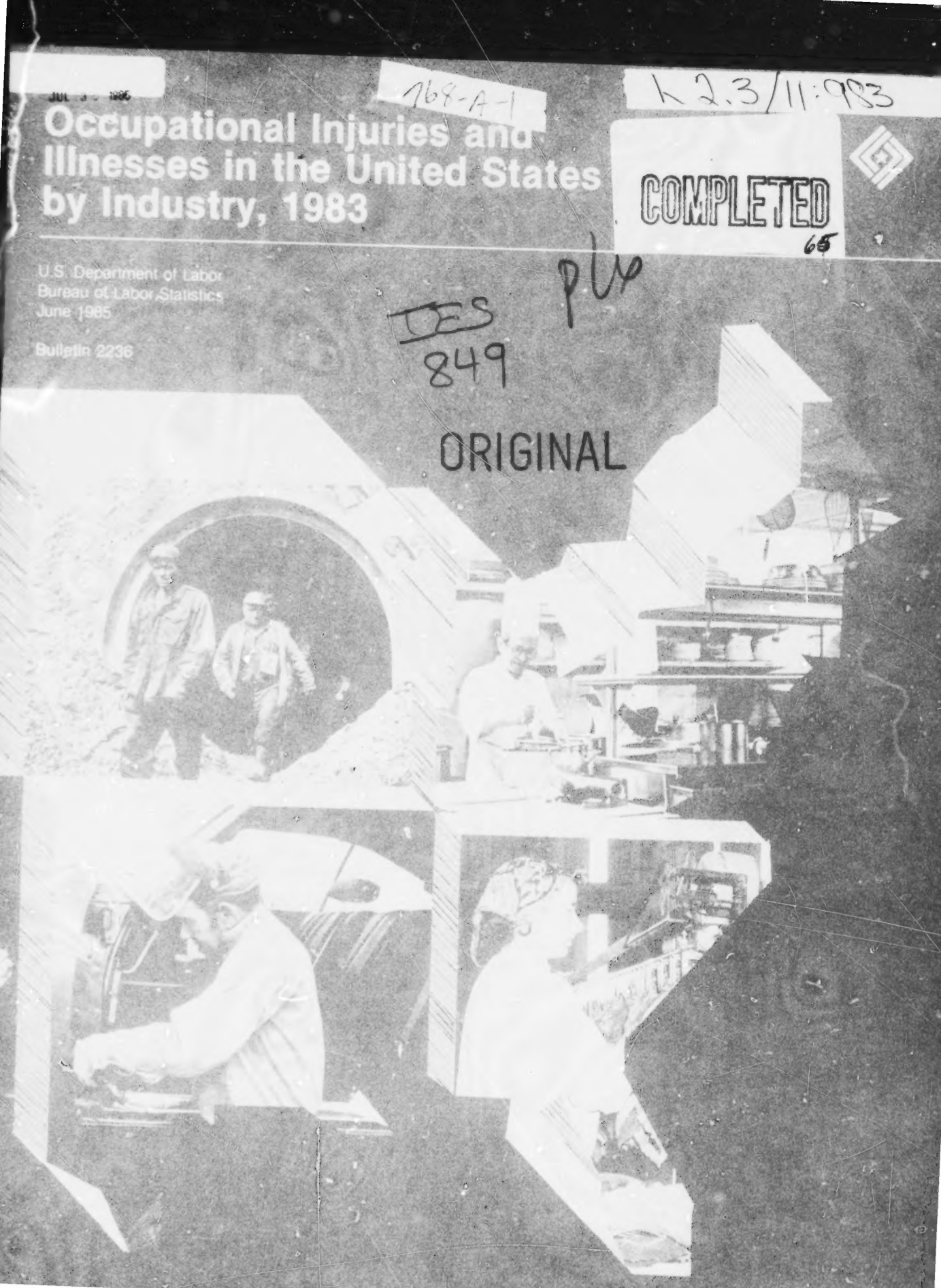

Occupational Injuries and Illnesses in the United States by Industry, 1983

U.S. Department of Labor
William E. Brock, Secretary

Bureau of Labor Statistics
Janet L Norwood, Commissioner
June 1985

Bulletin 2236

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Preface

Data for this publication were collected in accordance with the provisions of the Occupational Safety and Health Act of 1970. Estimates represent the injury and illness experience of employers in private sector establishments for 1982 and 1983. Report forms were mailed to employers in the year following the reference year of each survey.

This bulletin was prepared in the Office of Occupational Safety and Health Statistics, William M. Eisenberg, Acting Associate Commissioner, under the direction of John Inzana by Angela Ciccolo, Diane Cotter, Janet Macon, Chao Ling Wang, and Beverly Gray of the Division of Periodic Surveys. Data were collected and tabulated in the Office of Survey Processing in cooperation with the regional offices of the Bureau of Labor Statistics and the State agencies which received Federal funds for participating in the Annual Survey of Occupational Injuries and Illnesses.

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Contents

Page

Definitions 1

Tables:

1. Occupational injury and illness incidence rates by industry, 1982 and 1983 2
2. Number of occupational injuries and illnesses and lost workdays by industry division, 1982 and 1983 17
3. Occupational injury incidence rates by industry, 1982 and 1983 18
4. Occupational injury incidence rates by industry division and employment size, 1982 and 1983 33
5. Occupational injury incidence rates for lost workday cases by industry, 1982 and 1983 34
6. Number of occupational injuries and illnesses by industry, 1983 37
7. Number of occupational illnesses by industry division and category of illness, 1983 39
8. Employment and occupational injury and illness fatalities for employers with 11 employees or more by industry division, 1982 and 1983 39
9. Distribution of fatalities by cause: Occupational injury and illness fatalities in units with 11 employees or more, private sector, 1982 and 1983 40
10. Distribution of fatalities by industry division: Occupational injury and illness fatalities in units with 11 employees or more, private sector, 1982 and 1983 41

Appendix: Scope of survey and technical notes 42

A-1. Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1983 44

A-2. Relative standard errors for measures of occupational illnesses by industry, 1983 56

A-3. Relative standard errors for occupational injury and illness fatalities for employers with 11 employees or more by industry division, 1983 56

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Definitions

The definitions of occupational injuries and illnesses and lost workdays are from *Recordkeeping Requirements under the Occupational Safety and Health Act of 1970.*

Recordable occupational injuries and illnesses are:

1. Occupational deaths, regardless of the time between injury and death, or the length of the illness; or
2. Nonfatal occupational illnesses; or
3. Nonfatal occupational injuries which involve one or more of the following: Loss of consciousness, restriction of work or motion, transfer to another job, or medical treatment (other than first aid).

Occupational injury is any injury such as a cut, fracture, sprain, amputation, etc., which results from a work accident or from exposure involving a single incident in the work environment.

Occupational illness is any abnormal condition or disorder, other than one resulting from an occupational injury, caused by exposure to environmental factors associated with employment. It includes acute and chronic illnesses or disease which may be caused by inhalation, absorption, ingestion, or direct contact.

Lost workday cases are cases which involve days away from work, or days of restricted work activity, or both.

1. *Lost workday cases involving days away from work* are those cases which result in days away from work, or a combination of days away from work and days of restricted work activity.
2. *Lost workday cases involving restricted work activity* are those cases which result in restricted work activity only.

Lost workdays—away from work are the number of workdays (consecutive or not) on which the employee would have worked but could not because of occupational injury or illness.

Lost workdays—restricted work activity are the number of workdays (consecutive or not) on which, because of injury or illness:

1. The employee was assigned to another job on a temporary basis; or
2. The employee worked at a permanent job less than full time; or
3. The employee worked at a permanently assigned job but could not perform all duties normally connected with it.

The number of days away from work or days of restricted work activity does not include the day of injury or onset of illness or any days on which the employee would not have worked even though able to work.

Incidence rates represent the number of injuries and/or illnesses or lost workdays per 100 full-time workers and were calculated as: (N/EH) X 200,000 where:

N	= number of injuries and/or illnesses or lost workdays.
EH	= total hours worked by all employees during calendar year.
200,000	= base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks per year).

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Table 1. Occupational injury and illness incidence rates by industry, 1982 and 1983 [1]

Industry [2]	SIC code [3]	1983 annual average employment (thousands) [4]	Incidence rates per 100 full-time workers [5]							
			Total cases [6]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1982	1983	1982	1983	1982	1983	1982	1983
Private sector [7]		74,749.9	7.7	7.6	3.5	3.4	4.2	4.2	58.7	58.5
Agriculture, forestry, and fishing [7]		893.2	11.8	11.9	5.9	6.1	5.9	5.8	86.0	90.8
Agricultural production [7]	01-02	n.a.	13.2	13.6	6.5	7.0	6.7	6.7	91.1	101.1
Agricultural services	0700	n.a.	10.1	10.0	5.1	5.1	5.1	4.9	77.3	77.2
Forestry	0800	n.a.	10.9	10.7	5.6	5.7	5.3	5.0	104.7	101.5
Fishing, hunting, and trapping	0900	n.a.	5.3	4.9	3.2	3.0	2.0	1.7	9[illegible].7	73.1
Mining [8]		957.0	10.5	8.4	5.4	4.5	5.0	3.9	137.3	125.1
Metal mining [8]	[9] 1000	56.9	6.3	6.0	3.6	3.5	2.7	2.5	104.4	92.5
Anthracite mining [8]	1100	2.9	9.1	6.7	7.9	6.1	1.2	.5	456.6	470.4
Bituminous coal and lignite mining [8]	1200	191.8	8.5	7.1	6.8	5.6	1.6	1.5	201.2	188.5
Oil and gas extraction	1300	599.9	12.1	9.8	5.5	4.6	6.5	5.1	127.3	120.5
Crude petroleum and natural gas	1310	256.4	4.3	3.5	1.8	1.4	2.5	2.0	38.6	34.6
Oil and gas field services	1380	336.9	16.8	14.3	7.8	6.9	9.0	7.4	181.1	183.4
Nonmetallic minerals, except fuels [8]	1400	105.6	3.8	3.9	2.4	2.6	1.4	1.3	71.7	66.1
Construction		3,940.0	14.6	14.8	6.0	6.3	8.6	8.5	115.7	118.2
General building contractors	1500	1,014.7	14.1	14.4	5.9	6.2	8.1	8.2	112.0	113.0
Residential building construction	1520	486.7	10.8	11.9	5.2	5.8	5.6	6.1	100.4	106.6
Operative builders	1530	56.0	10.1	9.7	4.5	4.3	5.6	5.4	88.4	68.1
Nonresidential building construction	1540	472.0	17.1	17.3	6.6	6.8	10.4	10.5	123.4	124.6
Heavy construction contractors	1600	787.4	15.1	15.4	5.8	6.2	9.2	9.2	113.1	122.4
Highway and street construction	1610	231.9	13.4	14.3	5.5	5.9	7.8	8.4	116.8	109.0
Heavy construction, except highway	1620	555.5	15.7	15.9	5.9	6.3	9.7	9.6	112.0	127.8
Special trade contractors	1700	2,137.3	14.7	14.8	6.2	6.4	8.5	8.4	118.6	119.0
Plumbing, heating, air conditioning	1710	499.8	15.3	15.7	5.6	5.9	9.7	9.8	98.1	100.5
Painting, paper hanging, decorating	1720	129.0	8.9	9.2	4.7	5.0	4.1	4.3	118.1	124.0
Electrical work	1730	404.5	13.9	13.7	5.1	5.2	8.8	8.5	86.5	86.5
Masonry, stonework, and plastering	1740	327.0	15.0	15.8	6.8	7.2	8.2	8.6	120.0	124.7
Carpentering and flooring	1750	118.7	13.2	13.1	6.3	7.0	6.9	6.1	123.7	131.5
Roofing and sheet metal work	1760	163.3	19.0	18.6	10.3	10.3	8.7	8.4	221.1	222.5
Concrete work	1770	112.5	11.6	14.2	6.0	7.0	5.6	7.2	130.8	131.3
Water well drilling	1780	15.6	12.7	11.3	6.4	5.7	6.3	5.6	136.6	97.9
Miscellaneous special trade contractors	1790	366.9	15.9	15.1	6.9	6.5	9.0	8.6	139.4	128.4
Manufacturing		18,497.0	10.2	10.0	4.4	4.3	5.8	5.7	75.0	73.5
Durable goods		10,774.0	10.6	10.3	4.5	4.3	6.1	6.0	76.1	73.4
Lumber and wood products	2400	657.5	16.9	18.3	8.3	9.2	8.6	9.1	153.3	163.5
Logging camps and logging contractors	2410	81.0	20.4	21.5	12.9	13.7	7.3	7.7	303.5	321.9
Sawmills and planing mills	2420	194.1	16.0	17.0	8.2	8.8	7.7	8.1	163.4	169.0
Sawmills and planing mills, general	2421	162.1	16.0	16.7	8.4	8.9	7.6	7.9	172.0	173.7
Hardwood dimension and flooring	2426	27.9	14.9	17.1	6.4	7.6	8.5	9.4	100.8	129.4
Millwork, plywood and structural members	2430	199.6	15.3	17.2	6.9	8.0	8.4	9.2	113.5	124.8
Millwork	2431	74.1	16.8	19.4	7.0	8.4	9.8	11.0	104.8	132.0
Wood kitchen cabinets	2434	49.4	14.4	15.4	6.1	7.3	8.3	8.2	93.8	100.4
Hardwood veneer and plywood	2435	22.9	14.9	16.0	7.2	6.7	7.6	9.2	125.2	104.1
Softwood veneer and plywood	2436	36.6	10.5	11.1	5.7	6.0	4.9	5.2	124.4	125.9
Structural wood memebers, n.e.c	2439	16.7	24.8	28.5	11.7	14.7	13.0	13.7	168.0	192.3
Wood containers	2440	37.6	15.0	16.4	7.3	8.2	7.7	8.1	111.4	135.8
Nailed wood boxes and shook	2441	5.6	14.2	16.1	6.7	7.6	7.6	8.5	118.3	143.2
Wood pallets and skids	2448	23.3	16.0	18.0	8.1	9.1	7.9	8.9	125.1	144.0
Wood containers, n.e.c	2449	8.7	13.5	12.4	6.1	6.3	7.4	6.1	75.8	110.3

See footnotes at end of table.

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Table 1. Occupational injury and illness incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	1983 annual average employment (thousands) [4]	Incidence rates per 100 full-time workers [5]							
			Total cases [6]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1982	1983	1982	1983	1982	1983	1982	1983
Wood buildings and mobile homes	2450	69.3	25.2	27.8	10.3	12.5	14.9	15.3	149.2	174.9
Mobile homes	2451	50.8	27.4	29.8	10.9	13.6	16.5	16.3	156.6	189.2
Prefabricated wood buildings	2452	18.5	19.4	22.2	8.7	9.6	10.7	12.5	129.8	136.0
Miscellaneous wood products	2490	75.8	13.8	14.6	6.3	6.7	7.5	7.8	119.8	111.8
Wood preserving	2491	12.3	15.7	18.1	7.4	7.5	8.3	10.6	141.9	137.1
Particleboard	2492	6.5	9.9	7.3	4.3	3.4	5.5	3.9	69.2	88.0
Wood products, n.e.c	2499	57.0	13.8	14.7	6.3	7.0	7.5	7.7	120.8	109.1
Furniture and fixtures	2500	446.9	13.9	14.1	5.5	5.7	8.4	8.4	85.6	83.0
Household furniture	2510	277.2	12.7	13.3	4.9	5.3	7.8	7.9	77.3	75.9
Wood household furniture	2511	124.1	12.4	13.3	4.6	5.1	7.7	8.2	71.9	72.2
Upholstered household furniture	2512	85.5	11.6	12.0	4.6	4.8	7.1	7.1	74.2	55.4
Metal household furniture	2514	26.8	15.3	15.3	5.5	5.7	9.8	9.6	77.3	81.5
Mattresses and bedsprings	2515	28.9	14.2	15.5	5.9	7.2	8.4	8.2	107.5	113.3
Wood TV and radio cabinets	2517	n.a.	14.2	11.5	6.7	5.3	7.5	6.2	73.4	73.0
Household furniture, n.e.c	2519	n.a.	-	12.1	-	6.0	-	6.2	-	107.1
Office furniture	2520	56.0	15.7	16.1	7.0	7.3	8.7	8.8	104.5	108.7
Wood office furniture	2521	25.6	14.5	13.7	6.8	6.5	7.7	7.2	101.9	100.5
Metal office furniture	2522	30.4	16.7	18.1	7.2	8.0	9.5	10.1	106.8	115.5
Public building and related furniture	2530	23.2	16.7	15.2	6.2	5.3	10.5	9.9	103.9	93.2
Partitions and fixtures	2540	58.7	16.8	15.8	6.3	6.5	10.5	9.3	100.3	89.2
Wood partitions and fixtures	2541	30.8	15.4	15.3	6.0	6.6	9.4	8.7	102.2	87.4
Metal partitions and fixtures	2542	27.9	18.4	16.4	6.7	6.5	11.7	9.9	98.3	91.1
Miscellaneous furniture and fixtures	2590	31.8	13.5	13.9	5.6	5.3	7.9	8.6	78.0	79.5
Drapery hardware and blinds and shades	2591	18.1	12.8	12.9	5.4	5.0	7.4	7.9	60.0	75.4
Furniture and fixtures, n.e.c	2599	13.8	14.4	15.3	5.9	5.7	8.5	9.6	101.2	84.8
Stone, clay, and glass products	3200	572.6	13.0	13.1	6.1	6.0	6.8	7.1	112.2	112.0
Flat glass	3210	15.8	15.5	14.4	4.5	4.4	11.0	10.0	77.0	83.5
Glass and glassware, pressed or blown	3220	104.3	12.5	11.9	6.7	5.9	5.9	6.1	122.0	112.5
Glass containers	3221	57.1	13.8	13.1	8.1	6.9	5.7	6.2	147.6	135.4
Pressed and blown glass, n.e.c	3229	47.2	10.9	10.6	4.7	4.6	6.1	6.0	88.8	85.1
Products of purchased glass	3230	45.2	15.3	16.0	6.2	6.2	9.1	9.8	104.9	98.4
Structural clay products	3250	35.5	14.2	16.0	6.3	7.0	7.9	9.0	116.0	128.4
Brick and structural clay tile	3251	16.1	16.4	19.4	7.4	8.7	9.0	10.7	139.0	127.1
Ceramic wall and floor tile	3253	n.a.	13.9	14.8	5.4	5.8	8.5	9.0	84.4	125.2
Clay refractories	3255	7.5	10.7	9.3	4.8	4.4	5.9	4.9	103.9	95.1
Structural clay products, n.e.c	3259	n.a.	16.2	19.1	9.1	9.7	7.1	9.3	142.8	233.3
Pottery and related products	3260	39.0	12.7	12.5	6.7	6.7	6.0	5.9	129.8	124.0
Vitreous plumbing fixtures	3261	9.2	20.1	19.5	13.0	12.7	7.1	6.9	231.7	246.6
Vitreous china food utensils	3262	n.a.	12.4	12.8	6.1	6.8	6.3	6.0	152.4	148.2
Fine earthenware food utensils	3263	n.a.	7.3	7.6	4.2	4.2	3.1	3.4	96.3	80.4
Porcelain electrical supplies	3264	10.4	10.6	10.7	5.5	4.7	5.1	5.9	113.8	84.6
Pottery products, n.e.c	3269	11.1	10.8	9.8	4.0	4.1	6.8	5.7	62.9	59.9
Concrete, gypsum, and plaster products	3270	184.5	14.4	14.8	6.6	6.8	7.8	7.9	117.7	125.0
Concrete block and brick	3271	17.3	14.2	18.3	6.6	8.1	7.6	10.2	117.4	124.7
Concrete products, n.e.c	3272	61.1	19.0	18.8	8.9	8.7	10.0	10.1	146.3	156.5
Ready-mixed concrete	3273	88.6	13.2	13.3	5.9	6.3	7.2	6.9	110.1	120.5
Gypsum products	3275	11.9	5.0	5.2	1.7	1.5	3.4	3.6	42.8	34.4
Cut stone and stone products	3280	10.6	12.5	12.6	6.4	6.1	6.1	6.5	104.8	104.2
Miscellaneous nonmetallic mineral products	3290	112.1	10.7	10.6	5.5	5.1	5.3	5.5	104.9	98.1

See footnotes at end of table.

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Table 1. Occupational injury and illness incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	1983 annual average employment (thousands) [4]	Incidence rates per 100 full-time workers [5]							
			Total cases [6]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1982	1983	1982	1983	1982	1983	1982	1983
Abrasive products	3291	22.3	11.4	11.4	6.3	5.4	5.1	6.0	112.0	104.4
Asbestos products	3292	11.9	14.1	12.7	7.7	6.9	6.4	5.8	146.4	113.9
Gaskets, packing and sealing devices	3293	24.1	10.9	10.7	5.0	4.4	5.9	6.3	82.0	67.0
Mineral wool	3296	26.5	8.4	7.9	4.3	4.1	4.0	3.8	87.5	76.6
Nonclay refractories	3297	7.7	11.2	13.5	6.1	7.1	5.1	6.5	157.0	221.7
Nonmetallic mineral products, n.e.c.	3299	6.3	-	11.2	-	6.3	-	4.9	-	98.1
Primary metal industries	3300	838.0	12.4	12.4	5.4	5.4	7.1	6.9	101.6	103.4
Blast furnace and basic steel products	3310	343.1	10.1	10.0	3.5	3.8	6.6	6.2	77.7	86.4
Blast furnaces and steel mills	3312	279.1	8.4	8.5	2.5	3.0	5.9	5.5	63.4	75.6
Electrometallurgical products	3313	8.7	8.5	9.6	3.8	4.0	4.6	5.5	102.5	118.4
Steel wire and related products	3315	17.3	16.1	15.1	7.4	6.8	8.7	8.3	120.3	110.6
Cold finishing of steel shapes	3316	14.1	20.2	18.8	8.3	7.0	11.9	11.8	156.9	158.9
Steel pipe and tubes	3317	23.9	20.1	18.3	9.2	8.2	10.9	10.1	162.0	138.5
Iron and steel foundries	3320	141.5	16.9	16.7	7.5	7.2	9.4	9.5	130.1	119.4
Gray iron foundries	3321	90.7	16.6	17.3	7.4	7.5	9.1	9.8	128.1	124.7
Malleable iron foundries	3322	11.0	14.6	14.4	6.0	6.1	8.7	8.2	124.6	95.4
Steel investment foundries	3324	10.5	15.4	13.0	6.1	5.8	9.3	7.2	90.7	74.7
Steel foundries, n.e.c	3325	29.3	18.9	17.1	8.6	7.0	10.3	10.2	148.6	130.7
Primary nonferrous metals	3330	50.4	9.2	8.7	4.9	4.4	4.4	4.3	105.5	85.0
Primary copper	3331	10.2	9.0	8.6	4.2	4.4	4.8	4.2	116.3	106.5
Primary lead	3332	n.a.	10.8	10.8	6.2	5.3	4.6	5.5	99.5	95.7
Primary zinc	3333	n.a.	11.7	11.7	6.8	5.5	4.9	6.1	218.4	111.5
Primary aluminum	3334	26.1	9.2	8.4	5.0	4.2	4.2	4.2	94.1	74.1
Primary nonferrous metals, n.e.c	3339	9.0	8.5	8.5	4.3	4.6	4.2	3.8	92.9	81.1
Secondary nonferrous metals	3340	18.8	18.8	17.7	10.3	9.6	8.6	8.1	186.4	172.6
Nonferrous rolling and drawing	3350	183.2	11.5	11.7	5.6	5.9	6.0	5.8	99.8	106.7
Copper rolling and drawing	3351	25.2	12.7	13.3	6.1	6.9	6.5	6.5	112.5	121.3
Aluminum sheet, plate, and foil	3353	30.2	6.8	6.8	2.8	2.6	4.0	4.1	52.2	60.2
Aluminum extruded products	3354	29.1	11.4	12.3	5.2	5.7	6.2	6.6	93.3	96.3
Aluminum rolling and drawing, n.e.c	3355	n.a.	8.3	8.5	3.9	4.1	4.3	4.4	68.0	60.2
Nonferrous rolling and drawing, n.e.c	3356	n.a.	11.2	10.5	5.2	5.1	6.0	5.4	92.6	95.3
Nonferrous wire drawing and insulating	3357	78.8	13.4	13.4	6.8	7.2	6.5	6.2	120.6	130.7
Nonferrous foundries	3360	78.6	16.9	16.7	7.9	7.7	9.0	8.9	127.8	133.3
Aluminum foundries	3361	47.0	17.3	16.1	7.8	7.3	9.4	8.8	119.3	127.0
Brass, bronze, and copper foundries	3362	14.1	17.4	18.8	8.7	9.1	8.7	9.6	175.0	157.7
Nonferrous foundries, n.e.c	3369	17.6	15.4	16.5	7.2	7.7	8.1	8.8	109.5	131.2
Miscellaneous primary metal products	3390	22.3	15.7	15.8	8.0	7.2	7.7	8.5	147.4	110.4
Metal heat treating	3398	11.6	15.4	16.3	8.0	8.2	7.4	8.2	132.7	113.4
Primary metal products, n.e.c	3399	10.7	16.1	15.1	8.1	6.2	8.0	9.0	166.5	107.1
Fabricated metal products	3400	1,373.8	15.3	15.1	6.4	6.1	9.0	9.0	102.5	96.5
Metal cans and shipping containers	3410	61.6	16.5	15.7	6.6	6.1	9.9	9.6	122.1	111.0
Metal cans	3411	49.5	15.9	15.1	6.2	5.8	9.7	9.3	112.7	106.6
Metal barrels, drums, and pails	3412	12.2	19.2	17.9	8.2	7.4	10.9	10.5	165.0	129.8
Cutlery, hand tools, and hardware	3420	137.7	13.0	13.2	5.5	5.1	7.5	8.1	93.1	93.8
Cutlery	3421	13.4	10.9	13.5	4.4	5.1	6.5	8.4	69.9	96.6
Hand and edge tools, n.e.c	3423	n.a.	14.5	14.2	6.4	5.3	8.2	8.9	110.7	93.1
Hand saws and saw blades	3425	n.a.	10.9	11.6	5.5	4.9	5.3	6.7	104.3	84.6
Hardware, n.e.c	3429	80.7	12.8	12.9	5.3	5.1	7.5	7.8	87.6	94.5
Plumbing and heating, except electric	3430	60.8	15.6	15.1	6.6	6.7	9.0	8.4	100.5	101.8
Metal sanitary ware	3431	8.9	19.3	16.7	9.1	7.8	10.2	8.9	130.0	113.2

See footnotes at end of table.

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Table 1. Occupational injury and illness incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	1983 annual average employment (thousands) [4]	Incidence rates per 100 full-time workers [5]							
			Total cases [6]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1982	1983	1982	1983	1982	1983	1982	1983
Plumbing fittings and brass goods	3432	24.4	12.2	11.6	5.1	5.7	7.2	5.9	96.4	105.2
Heating equipment, except electric	3433	27.6	17.1	17.6	7.0	7.2	10.1	10.3	94.4	95.2
Fabricated structural metal products	3440	426.5	18.0	17.9	7.5	7.2	10.5	10.7	118.0	109.0
Fabricated structural metal	3441	77.0	21.5	21.4	9.9	9.6	11.6	11.8	164.3	138.8
Metal doors, sash, and trim	3442	81.3	16.9	18.9	6.0	7.2	10.9	11.6	88.9	106.4
Fabricated plate work	3443	105.6	16.2	15.2	6.9	6.1	9.3	9.0	109.0	97.1
Sheet metal work	3444	104.3	18.1	18.0	6.9	6.9	11.2	11.1	107.6	101.3
Architectural metal work	3446	26.9	18.5	19.1	8.4	7.5	10.1	11.5	134.8	126.4
Prefabricated metal buildings	3448	23.5	16.6	13.8	6.6	5.1	10.0	8.6	113.5	80.7
Miscellaneous metal work	3449	8.0	19.0	17.1	7.5	7.0	11.6	10.1	97.4	128.0
Screw machine products, bolts, etc.	3450	85.1	13.6	13.7	4.9	4.6	8.7	9.1	80.7	68.2
Screw machine products	3451	39.3	13.5	13.4	4.5	4.0	9.0	9.4	67.0	54.1
Bolts, nuts, rivets, and washers	3452	45.8	13.7	13.8	5.2	5.0	8.5	8.8	92.4	80.1
Metal forgings and stampings	3460	228.3	13.8	14.3	5.8	5.8	8.0	8.5	99.7	96.6
Iron and steel forgings	3462	30.9	17.4	17.4	8.3	8.1	9.0	9.3	160.8	141.1
Nonferrous forgings	3463	n.a.	17.3	13.6	9.2	5.9	8.1	7.6	167.6	86.1
Automotive stampings	3465	86.9	10.2	11.9	4.2	4.9	6.0	6.9	72.0	73.5
Crowns and closures	3466	n.a.	12.3	12.0	5.4	5.7	6.9	6.3	87.0	93.3
Metal stampings, n.e.c	3469	99.9	15.2	15.8	5.9	5.9	9.3	9.9	96.2	105.2
Metal services, n.e.c	3470	94.8	14.8	14.3	6.3	6.1	8.5	8.1	92.1	92.2
Plating and polishing	3471	65.1	14.8	14.9	6.4	6.4	8.4	8.6	92.4	96.3
Metal coating and allied services	3479	29.7	14.8	12.9	6.1	5.6	8.7	7.2	91.6	83.1
Ordnance and accessories, n.e.c	3480	64.7	8.9	8.0	4.4	3.8	4.5	4.2	66.6	64.7
Small arms ammunition	3482	n.a.	5.9	5.0	2.6	2.3	3.2	2.7	56.3	48.3
Ammunition, except for small arms, n.e.c	3483	29.2	8.5	8.2	4.1	3.9	4.4	4.4	60.2	65.9
Small arms	3484	n.a.	15.2	13.3	8.1	6.4	7.1	6.9	117.5	108.5
Ordnance and accessories, n.e.c	3489	n.a.	3.8	3.7	1.6	1.7	2.3	2.1	23.1	25.8
Miscellaneous fabricated metal products	3490	214.3	15.5	14.3	6.4	5.9	9.0	8.4	98.8	90.6
Steel springs, except wire	3493	5.0	17.7	17.1	8.7	8.0	9.0	9.1	139.3	128.4
Valves and pipe fittings	3494	82.8	15.6	12.8	6.3	5.3	9.2	7.5	94.1	79.5
Wire springs	3495	12.6	12.2	13.1	4.2	5.2	8.0	7.9	77.5	90.9
Miscellaneous fabricated wire products	3496	51.6	17.0	14.8	7.0	6.1	10.0	8.7	114.5	90.1
Metal foil and leaf	3497	n.a.	18.0	14.3	8.9	6.6	9.1	7.7	106.5	83.1
Fabricated pipe and fittings	3498	21.3	15.0	17.4	7.2	7.5	7.8	9.8	114.3	123.5
Fabricated metal products, n.e.c	3499	n.a.	14.1	15.0	5.6	5.8	8.5	9.2	78.7	92.6
Machinery, except electrical	3500	2,038.3	10.7	9.8	4.2	3.6	6.6	6.2	66.0	58.1
Engines and turbines	3510	103.9	8.3	8.4	3.6	3.1	4.6	5.3	67.4	59.0
Turbines and turbine generator sets	3511	36.1	5.4	5.2	2.4	2.3	3.0	2.9	52.7	41.1
Internal combustion engines, n.e.c	3519	67.8	-	10.2	-	3.5	-	6.7	-	69.2
Farm and garden machinery	3520	108.1	11.4	11.8	4.5	4.6	6.9	7.2	62.3	73.5
Farm machinery and equipment	3523	87.9	11.0	11.1	4.2	4.4	6.7	6.8	59.3	72.1
Lawn and garden equipment	3524	20.3	14.4	14.5	6.0	5.4	8.4	9.0	81.4	79.5
Construction and related machinery	3530	250.5	14.6	12.7	5.9	4.7	8.6	8.0	95.8	76.3
Construction machinery	3531	82.4	11.7	11.9	4.6	4.5	7.1	7.5	68.4	71.5
Mining machinery	3532	21.8	16.9	12.9	7.3	5.3	9.6	7.6	140.2	97.5
Oil field machinery	3533	71.7	16.3	12.0	6.9	4.3	9.4	7.7	114.0	74.3
Elevators and moving stairways	3534	11.8	14.8	12.3	6.0	5.2	8.8	7.1	100.7	93.4
Conveyors and conveying equipment	3535	26.2	15.8	14.0	6.4	4.7	9.4	9.3	92.8	60.0
Hoists, cranes, and monorails	3536	11.9	14.2	14.1	5.5	5.2	8.7	9.0	81.2	78.9
Industrial trucks and tractors	3537	24.7	13.4	14.7	4.8	5.5	8.6	9.2	72.4	86.3
Metalworking machinery	3540	279.1	11.3	10.7	3.7	3.4	7.6	7.3	58.6	57.0
Machine tools, metal cutting types	3541	52.0	11.6	9.0	4.1	2.8	7.4	6.2	66.4	45.7
Machine tools, metal forming types	3542	17.2	13.1	10.8	4.9	3.9	8.1	6.9	81.7	62.9

See footnotes at end of table.

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Table 1. Occupational injury and illness incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	1983 annual average employment (thousands) [4]	Incidence rates per 100 full-time workers [5]							
			Total cases [6]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1982	1983	1982	1983	1982	1983	1982	1983
Special dies, tools, jigs and fixtures	3544	120.3	11.2	12.1	3.2	3.7	7.9	8.4	49.1	59.1
Machine tool accessories	3545	51.2	11.2	10.0	3.6	3.1	7.6	6.9	54.5	58.1
Power driven hand tools	3546	21.8	8.9	7.5	3.2	2.5	5.7	5.0	63.8	50.8
Rolling mill machinery	3547	5.5	14.8	12.9	5.5	4.8	9.3	8.2	107.2	86.3
Metalworking machinery, n.e.c	3549	11.1	10.6	10.6	3.5	3.5	7.1	7.1	57.2	69.9
Special industry machinery	3550	160.9	12.8	12.3	4.8	4.3	8.1	8.0	72.5	68.5
Food products machinery	3551	36.6	15.5	14.6	5.9	5.3	9.6	9.4	79.9	81.1
Textile machinery	3552	20.5	12.5	12.6	3.8	3.5	8.8	9.2	52.7	51.9
Woodworking machinery	3553	9.3	15.5	13.3	5.7	5.4	9.8	7.9	82.4	90.0
Paper industries machinery	3554	15.6	14.4	13.5	5.3	4.7	9.1	8.8	86.6	73.8
Printing trades machinery	3555	33.1	9.7	9.6	3.5	3.2	6.2	6.4	54.6	52.3
Special industry machinery, n.e.c	3559	45.9	12.1	11.6	4.9	4.3	7.2	7.2	81.0	71.7
General industrial machinery	3560	253.5	12.4	11.6	4.9	4.3	7.5	7.3	81.3	72.4
Pumps and pumping equipment	3561	49.3	13.0	12.7	5.4	4.5	7.6	8.2	92.9	76.6
Ball and roller bearings	3562	43.4	9.7	8.5	3.5	3.0	6.1	5.5	69.3	49.4
Air and gas compressors	3563	23.4	10.7	10.1	4.3	4.0	6.4	6.1	79.1	75.9
Blowers and fans	3564	32.0	13.2	13.2	5.5	5.6	7.7	7.6	82.1	91.2
Industrial patterns	3565	8.2	8.6	11.4	2.7	3.8	5.9	7.6	41.8	54.4
Speed changers, drives, and gears	3566	18.9	15.8	13.9	6.1	4.7	9.7	9.2	130.1	72.7
Industrial furnaces and ovens	3567	15.2	13.8	12.4	5.5	4.7	8.3	7.7	73.6	82.8
Power transmission equipment, n.e.c	3568	16.4	13.3	12.5	5.4	5.1	7.9	7.4	82.5	88.9
General industrial machinery, n.e.c	3569	46.8	12.8	11.7	4.7	4.1	8.1	7.7	66.5	68.7
Office and computing machines	3570	480.7	4.5	4.1	2.1	1.9	2.4	2.2	35.1	29.3
Typewriters	3572	14.3	3.4	3.2	1.4	1.3	2.0	1.9	15.1	14.7
Electronic computing equipment	3573	414.6	4.1	3.7	2.0	1.7	2.1	2.0	34.7	26.8
Scales and balances, except laboratory	3576	7.1	10.6	10.7	3.3	3.4	7.3	7.3	36.2	43.0
Office machines, n.e.c	3579	26.4	9.6	8.0	3.9	3.5	5.7	4.4	65.1	52.5
Refrigeration and service machinery	3580	160.4	14.1	13.5	5.6	5.1	8.5	8.3	82.8	79.4
Automatic merchandising machines	3581	9.2	22.3	19.6	10.9	6.8	11.4	12.9	96.8	105.8
Commercial laundry equipment	3582	4.4	18.4	17.7	6.2	5.6	12.2	12.1	112.8	99.9
Refrigeration and heating equipment	3585	111.7	12.6	12.1	5.0	5.0	7.5	7.1	83.1	81.3
Measuring and dispensing pumps	3586	n.a.	15.1	13.4	5.3	4.1	9.8	9.2	69.5	42.0
Service industry machinery, n.e.c	3589	n.a.	16.2	16.5	5.9	5.4	10.2	11.1	76.0	68.5
Miscellaneous machinery, except electrical	3590	241.1	12.4	11.7	4.6	4.1	7.8	7.5	64.2	57.2
Carburetors, pistons, rings, valves	3592	33.7	7.6	7.9	3.2	3.2	4.4	4.7	54.8	50.7
Machinery, except electrical, n.e.c	3599	207.4	13.1	12.3	4.8	4.3	8.3	8.0	65.7	58.2
Electric and electronic equipment	3600	2,023.8	6.5	6.3	2.7	2.6	3.9	3.8	42.2	41.4
Electric distributing equipment	3610	107.5	9.5	8.6	3.4	3.3	6.0	5.3	57.6	56.9
Transformers	3612	47.7	9.8	9.3	3.6	3.5	6.2	5.8	61.1	53.9
Switchgear and switchboard apparatus	3613	59.9	9.2	8.0	3.3	3.1	5.9	4.9	54.8	59.2
Electrical industrial apparatus	3620	197.3	7.8	7.8	3.3	2.8	4.5	5.0	54.9	47.5
Motors and generators	3621	97.9	8.5	8.8	3.7	3.2	4.8	5.6	57.3	51.5
Industrial controls	3622	62.2	5.7	5.5	2.3	1.9	3.5	3.6	38.5	34.1
Welding apparatus, electric	3623	15.3	14.2	11.8	5.5	4.0	8.7	7.8	75.4	69.6
Carbon and graphite products	3624	11.0	6.8	7.1	3.7	3.1	3.1	4.0	104.0	62.8
Electrical industrial apparatus, n.e.c	3629	10.8	6.2	7.0	2.8	3.1	3.4	3.9	42.2	43.1
Household appliances	3630	140.2	11.5	11.6	4.5	4.5	7.1	7.1	79.7	82.0
Household cooking equipment	3631	26.4	16.5	15.1	5.5	5.3	11.0	9.8	76.9	83.9
Household refrigerators and freezers	3632	26.1	9.1	9.9	4.1	4.1	5.0	5.7	63.7	64.2
Household laundry equipment	3633	19.1	12.0	11.6	4.2	3.9	7.8	7.7	83.8	60.1
Electric housewares and fans	3634	41.6	10.5	10.0	3.9	3.7	6.6	6.3	66.9	60.0

See footnotes at end of table.

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Table 1. Occupational injury and illness incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	1983 annual average employment (thousands) [4]	Incidence rates per 100 full-time workers [5]							
			Total cases [6]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1982	1983	1982	1983	1982	1983	1982	1983
Household vacuum cleaners	3635	n.a.	9.3	10.0	4.4	4.8	4.9	5.3	163.8	243.1
Sewing machines	3636	n.a.	-	7.6	-	2.6	-	5.0	-	43.8
Household appliances, n.e.c	3639	n.a.	17.1	15.7	7.9	7.2	9.2	8.5	113.9	99.3
Electric lighting and wiring equipment	3640	186.8	9.4	8.6	3.6	3.4	5.7	5.2	60.9	55.1
Electric lamps	3641	27.6	5.0	4.0	2.1	1.6	2.9	2.4	33.1	31.4
Current-carrying wiring devices	3643	77.7	7.7	7.5	3.0	3.0	4.7	4.5	56.6	47.1
Noncurrent-carrying wiring devices	3644	17.2	16.7	12.8	7.3	5.8	9.4	6.9	103.6	102.4
Residential lighting fixtures	3645	25.2	12.2	11.8	4.0	4.4	8.2	7.4	60.7	69.5
Commercial lighting fixtures	3646	15.6	15.3	12.8	5.6	4.6	9.7	8.2	100.6	73.3
Vehicular lighting equipment	3647	14.1	6.0	5.0	2.0	2.2	3.9	2.8	35.2	38.5
Lighting equipment, n.e.c	3648	9.3	11.2	13.5	4.6	4.4	6.6	9.1	72.7	61.6
Radio and TV receiving equipment	3650	86.5	5.9	6.1	2.4	2.6	3.4	3.5	36.4	40.8
Radio and TV receiving sets	3651	66.8	5.8	6.0	2.4	2.4	3.4	3.5	35.4	40.4
Phonograph records	3652	19.7	6.0	6.3	2.5	3.1	3.5	3.2	40.1	42.0
Communication equipment	3660	572.5	4.2	4.0	1.8	1.7	2.4	2.3	28.5	30.4
Telephone and telegraph apparatus	3661	140.6	5.0	4.9	2.4	2.2	2.6	2.7	44.6	49.1
Radio and TV communication equipment	3662	n.a.	3.9	3.7	1.5	1.6	2.3	2.2	23.2	24.8
Electronic components and accessories	3670	585.5	5.8	5.7	2.4	2.3	3.4	3.4	31.7	30.8
Electron tubes, receiving type	3671	n.a.	-	3.1	-	1.7	-	1.4	-	30.4
Cathode ray television picture tubes	3672	n.a.	11.0	9.6	7.3	6.1	3.8	3.5	100.1	84.9
Electron tubes, transmitting	3673	n.a.	6.7	5.5	2.2	2.2	4.5	3.2	30.7	34.9
Semiconductors and related devices	3674	235.0	3.8	4.2	1.8	1.8	2.0	2.4	24.7	24.4
Electronic capacitors	3675	27.4	6.4	5.6	2.5	2.2	3.9	3.4	29.0	30.5
Electronic resistors	3676	12.0	6.9	6.2	3.2	2.4	3.7	3.8	57.8	28.9
Electronic coils and transformers	3677	23.5	8.9	8.2	3.3	2.9	5.6	5.3	47.9	38.5
Electronic connectors	3678	9.5	8.9	7.5	2.8	2.5	6.1	5.0	47.1	40.6
Electronic components, n.e.c	3679	239.0	7.0	6.8	2.6	2.6	4.4	4.2	32.3	33.1
Miscellaneous electrical equipment and supplies	3690	147.5	6.9	6.5	3.2	3.0	3.6	3.6	50.3	49.4
Storage batteries	3691	28.7	12.6	10.7	6.9	5.6	5.8	5.1	105.3	85.5
X-ray apparatus and tubes	3693	32.9	4.6	4.1	1.9	1.7	2.7	2.4	25.1	21.2
Engine electrical equipment	3694	57.1	5.3	5.5	2.3	2.4	3.0	3.2	36.8	42.6
Electrical equipment and supplies, n.e.c	3699	14.9	9.6	10.5	4.8	4.9	4.8	5.6	66.8	80.5
Transportation equipment	3700	1,756.3	9.2	8.4	4.0	3.6	5.1	4.8	72.2	64.5
Motor vehicles and equipment	3710	757.8	8.5	8.7	3.6	3.7	4.9	5.1	58.3	59.4
Motor vehicles and car bodies	3711	351.1	5.3	6.1	2.1	2.6	3.1	3.5	29.6	42.3
Truck and bus bodies	3713	33.3	20.4	19.1	8.1	6.5	12.3	12.6	117.0	90.0
Motor vehicle parts and accessories	3714	339.1	9.5	9.2	4.1	3.9	5.4	5.3	75.9	39.0
Truck trailers	3715	22.5	18.2	18.3	8.3	8.0	9.9	10.3	114.1	101.6
Self-contained motor homes	3716	11.9	19.1	25.5	6.1	10.5	13.0	15.0	70.3	128.4
Aircraft and parts	3720	578.5	6.0	5.2	2.3	2.0	3.6	3.2	36.9	34.3
Aircraft	3721	306.7	4.8	4.0	1.7	1.4	3.1	2.5	29.5	25.4
Aircraft engines and engine parts	3724	141.3	6.6	4.8	3.3	2.6	3.3	2.2	51.5	47.6
Aircraft equipment, n.e.c	3728	130.6	8.1	8.5	2.8	2.7	5.3	5.8	39.1	40.7
Ship and boat building and repairing	3730	188.5	23.3	20.1	11.5	9.5	11.7	10.6	247.2	206.4
Ship building and repairing	3731	147.3	24.2	20.0	12.2	9.6	12.0	10.4	269.0	231.1
Boat building and repairing	3732	41.2	19.1	20.3	8.5	9.0	10.5	11.3	147.1	117.6
Railroad equipment	3740	30.3	14.5	11.0	8.3	5.5	6.2	5.6	140.6	103.7
Motorcycles, bicycles, and parts	3750	15.1	14.7	13.2	5.6	5.5	9.1	7.7	96.1	124.2
Guided missiles, space vehicles, parts	3760	139.8	2.7	2.4	1.2	1.2	1.5	1.3	19.1	20.1
Guided missiles and space vehicles	3761	108.6	2.1	2.2	.9	1.1	1.2	1.0	16.3	19.9
Space propulsion units and parts	3764	n.a.	3.9	3.0	1.9	1.3	1.9	1.7	28.7	20.6

See footnotes at end of table.

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Table 1. Occupational injury and illness incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	1983 annual average employment (thousands) [4]	Incidence rates per 100 full-time workers [5]							
			Total cases [6]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1982	1983	1982	1983	1982	1983	1982	1983
Space vehicle equipment, n.e.c	3769	n.a.	5.4	3.2	1.6	1.1	3.8	2.1	26.7	20.1
Miscellaneous transportation equipment	3790	46.5	12.9	14.1	5.6	6.0	7.4	8.2	59.6	76.9
Travel trailers and campers	3792	19.8	20.6	21.7	7.5	8.7	13.1	13.1	85.6	107.3
Tanks and tank components	3795	18.0	5.4	6.0	3.3	3.0	2.1	3.0	32.5	45.7
Transportation equipment, n.e.c	3799	8.7	-	14.6	-	6.3	-	8.2	-	75.9
Instruments and related products	3800	694.9	5.6	5.2	2.3	2.1	3.3	3.1	37.0	35.6
Engineering and scientific instruments	3810	76.0	5.3	4.6	2.0	1.6	3.3	3.0	25.2	25.2
Measuring and controlling devices	3820	234.2	5.5	5.2	2.3	2.1	3.2	3.1	37.1	33.6
Environmental controls	3822	16.2	6.0	5.4	2.7	2.1	3.3	3.3	51.3	28.6
Process control instruments	3823	52.7	5.4	4.7	2.4	2.0	3.0	2.7	35.2	33.6
Fluid meters and counting devices	3824	14.5	6.6	6.5	3.0	2.8	3.6	3.6	48.6	58.8
Instruments to measure electricity	3825	99.0	4.8	4.4	2.1	1.9	2.6	2.5	30.8	33.1
Measuring and controlling devices, n.e.c	3829	25.8	6.6	7.8	2.0	2.6	4.6	5.1	35.1	29.2
Optical instruments and lenses	3830	32.7	5.7	5.1	2.5	2.2	3.2	3.0	36.0	27.5
Medical instruments and supplies	3840	169.0	6.1	5.6	2.4	2.3	3.7	3.3	39.1	41.5
Surgical and medical instruments	3841	84.1	5.1	4.8	1.9	2.1	3.2	2.8	32.9	35.2
Surgical appliances and supplies	3842	70.7	7.0	6.4	2.9	2.6	4.2	3.8	45.6	50.7
Dental equipment and supplies	3843	14.2	6.6	6.8	2.5	2.1	4.1	4.7	41.0	33.4
Ophthalmic goods	3850	38.6	5.4	4.9	2.3	2.2	3.1	2.7	36.0	34.7
Photographic equipment and supplies	3860	128.3	5.2	5.4	2.1	2.3	3.1	3.1	39.1	39.2
Miscellaneous manufacturing industries	3900	371.3	9.9	9.9	4.1	4.0	5.8	5.9	69.9	66.3
Jewelry, silverware, and plated ware	3910	53.3	5.2	5.7	2.2	2.5	3.0	3.1	38.5	43.8
Silverware and plated ware	3914	9.4	9.7	10.7	5.2	6.0	4.5	4.7	110.9	115.9
Jewelers' materials and lapidary work	3915	8.2	-	6.3	-	3.0	-	3.3	-	59.0
Musical instruments	3930	17.0	9.7	8.3	3.1	3.0	6.6	5.3	55.8	54.5
Toys and sporting goods	3940	108.2	10.9	11.2	4.7	4.5	6.2	6.7	74.4	76.0
Games, toys, and children's vehicles	3944	n.a.	8.6	8.4	4.0	3.7	4.5	4.7	65.8	75.0
Sporting and athletic goods, n.e.c	3949	51.9	13.8	14.6	5.7	5.5	8.1	9.1	88.9	81.8
Pens, pencils, office and art supplies	3950	32.2	9.2	8.7	3.9	3.6	5.3	5.1	74.9	53.5
Pens and mechanical pencils	3951	9.2	8.1	8.6	3.7	3.0	4.4	5.5	77.3	49.8
Lead pencils and art goods	3952	7.6	11.5	10.0	4.7	4.6	6.8	5.4	81.8	70.6
Marking devices	3953	n.a.	-	5.9	-	1.5	-	4.3	-	30.4
Carbon paper and inked ribbons	3955	n.a.	13.6	11.8	6.4	6.6	7.2	5.3	123.9	72.6
Costume jewelry and notions	3960	37.2	8.0	7.9	3.1	3.3	4.9	4.6	55.5	65.9
Costume jewelry	3961	20.4	5.6	6.3	2.0	2.5	3.6	3.8	35.2	59.3
Miscellaneous manufactures	3990	123.5	11.8	11.7	4.9	4.6	6.9	7.1	84.6	72.4
Brooms and brushes	3991	13.9	11.5	12.1	5.0	5.0	6.5	7.1	75.2	84.4
Signs and advertising displays	3993	46.8	13.2	12.8	5.2	4.7	8.0	8.0	89.7	69.2
Burial caskets	3995	10.1	14.0	12.7	5.6	4.5	8.4	8.2	124.7	95.2
Hard surface floor coverings	3996	n.a.	7.1	8.6	4.4	4.7	2.8	4.0	107.5	99.8
Manufacturing industries, n.e.c	3999	n.a.	10.8	10.8	4.6	4.3	6.3	6.5	68.5	61.1
Nondurable goods		7,724.0	9.7	9.6	4.3	4.3	5.3	5.3	73.5	73.6
Food and kindred products	2000	1,622.0	16.7	16.5	8.0	7.9	8.7	8.5	129.3	131.2
Meat products	2010	345.7	24.0	24.6	11.4	11.7	12.5	13.0	166.7	180.8
Meat packing plants	2011	143.3	30.7	31.4	15.3	15.8	15.5	15.7	218.0	245.4
Sausages and other prepared meats	2013	72.2	19.8	21.1	10.0	10.5	9.8	10.5	146.4	163.6
Poultry dressing plants	2016	113.1	17.9	18.7	7.5	7.4	10.4	11.2	109.4	115.3

See footnotes at end of table.

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Table 1. Occupational injury and illness incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	1983 annual average employment (thousands) [4]	Incidence rates per 100 full-time workers [5]							
			Total cases [6]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1982	1983	1982	1983	1982	1983	1982	1983
Poultry and egg processing	2017	17.1	19.3	19.1	8.0	7.5	11.3	11.5	158.0	109.5
Dairy products	2020	164.3	14.0	14.2	6.7	6.8	7.2	7.4	118.1	111.5
Creamery butter	2021	2.3	15.3	16.5	7.8	7.9	7.5	8.6	140.1	161.5
Cheese, natural and processed	2022	37.8	13.6	14.5	6.2	6.9	7.3	7.6	108.3	98.9
Condensed and evaporated milk	2023	16.2	11.8	10.3	5.7	5.1	6.0	5.2	100.5	81.1
Ice cream and frozen desserts	2024	18.9	17.6	15.2	8.7	7.3	8.9	7.9	155.2	125.6
Fluid milk	2026	89.1	13.8	14.5	6.7	6.9	7.1	7.5	117.2	117.7
Preserved fruits and vegetables	2030	232.9	14.5	14.3	7.2	6.9	7.3	7.4	119.6	115.6
Canned specialties	2032	24.7	10.1	11.1	5.3	5.5	4.9	5.6	87.3	90.4
Canned fruits and vegetables	2033	86.2	15.1	14.9	7.6	6.7	7.5	8.1	119.2	100.9
Dehydrated fruits, vegetables, soups	2034	18.8	18.0	15.9	9.7	8.0	8.3	7.9	138.2	143.5
Pickles, sauces, and salad dressing	2035	20.8	13.8	15.9	5.5	7.0	8.3	8.9	91.4	105.5
Frozen fruits and vegetables	2037	47.6	15.6	14.5	7.6	7.5	8.0	7.0	148.5	144.2
Frozen specialties	2038	34.7	13.4	13.3	6.9	7.1	6.5	6.2	115.5	124.4
Grain mill products	2040	131.2	12.7	11.7	5.7	5.7	7.0	6.0	105.6	107.6
Flour and other grain mill products	2041	25.4	12.7	13.0	5.5	5.9	7.0	7.1	116.9	102.6
Cereal breakfast foods	2043	17.8	8.6	8.7	5.5	5.3	3.1	3.4	121.6	104.1
Rice milling	2044	5.9	18.9	15.2	7.6	8.0	11.3	7.2	161.9	164.1
Blended and prepared flour	2045	7.2	12.9	12.7	7.1	6.5	5.8	6.2	123.9	116.2
Wet corn milling	2046	10.4	8.9	9.3	4.1	4.6	4.8	4.7	82.6	103.6
Dog, cat, and other pet food	2047	16.6	13.9	13.6	5.5	6.8	8.4	6.8	107.0	125.4
Prepared feeds, n.e.c	2048	48.0	13.9	11.3	5.9	5.2	8.0	6.1	90.0	98.6
Bakery products	2050	215.4	13.1	12.5	6.4	6.3	6.7	6.2	116.2	127.1
Bread, cake, and related products	2051	171.3	13.4	12.8	6.6	6.6	6.8	6.2	116.0	133.5
Cookies and crackers	2052	44.1	11.8	11.7	5.4	5.3	6.4	6.4	117.2	102.1
Sugar and confectionery products	2060	101.8	13.1	13.5	6.8	6.7	6.3	6.9	112.7	101.4
Raw cane sugar	2061	8.5	22.9	27.0	12.1	15.3	10.8	11.6	180.9	181.8
Cane sugar refining	2062	7.9	9.5	10.7	6.7	6.3	2.8	4.4	122.0	115.2
Beet sugar	2063	10.5	16.7	16.4	10.4	9.5	6.3	6.8	113.2	139.5
Confectionery products	2065	55.3	12.0	12.3	5.5	5.3	6.5	6.9	104.5	88.7
Chocolate and cocoa products	2066	n.a.	10.4	10.4	5.6	5.1	4.9	5.4	91.5	70.9
Chewing gum	2067	n.a.	11.3	10.8	4.8	4.8	6.6	6.0	100.3	72.0
Fats and oils	2070	39.7	17.3	15.4	8.2	6.9	9.1	8.6	150.2	118.4
Cottonseed oil mills	2074	n.a.	20.9	16.9	9.2	6.5	11.5	10.3	222.8	109.7
Soybean oil mills	2075	n.a.	11.9	11.9	5.0	4.3	6.9	7.6	95.3	92.0
Vegetable oil mills, n.e.c	2076	n.a.	13.5	10.6	4.4	4.9	9.1	5.7	52.0	91.6
Animal and marine fats and oils	2077	9.4	23.5	21.4	12.5	11.3	10.9	10.1	200.8	182.3
Shortening and cooking oils	2079	11.7	14.7	13.6	6.8	6.0	7.9	7.6	119.8	97.7
Beverages	2080	225.9	19.0	17.9	8.8	8.8	10.1	9.1	136.7	137.9
Malt beverages	2082	49.0	12.3	12.4	4.2	4.6	8.1	7.9	82.0	94.0
Malt	2083	n.a.	21.5	19.8	10.5	9.6	10.9	10.1	211.2	178.1
Wines, brandy, and brandy spirits	2084	15.8	23.8	21.9	12.2	10.2	11.7	11.6	156.6	160.4
Distilled liquor, except brandy	2085	14.9	15.2	12.3	8.5	6.5	6.7	5.8	159.2	117.7
Bottled and canned soft drinks	2086	130.9	22.0	20.7	10.4	10.8	11.6	10.0	156.7	160.1
Flavoring extracts and syrups, n.e.c	2087	n.a.	12.6	10.7	7.4	5.2	5.2	5.5	82.0	63.5
Miscellaneous foods and kindred products	2090	165.1	14.2	14.1	6.9	6.4	7.3	7.6	106.6	105.8
Canned and cured seafoods	2091	18.1	17.8	17.1	8.7	7.9	9.1	9.3	[illegible]1.7	123.6
Fresh or frozen packaged fish	2092	36.2	17.1	17.9	8.7	8.0	8.4	9.9	[illegible]0.5	101.3
Roasted coffee	2095	12.6	-	10.1	-	4.8	-	5.3	-	107.9
Manufactured ice	2097	5.9	15.3	16.2	8.0	8.4	7.3	7.7	105.5	152.6
Macaroni and spaghetti	2098	8.1	18.3	17.8	9.0	7.8	9.3	10.0	162.2	186.4
Food preparations, n.e.c	2099	84.2	12.3	12.3	5.7	5.6	6.6	6.6	86.5	92.6
Tobacco manufactures	2100	68.5	7.2	6.5	3.2	3.0	4.0	3.6	44.6	42.8
Cigarettes	2110	47.4	5.7	5.0	2.6	2.3	3.1	2.7	39.4	37.8
Cigars	2120	5.6	6.6	7.2	2.8	3.4	3.8	3.8	41.8	36.2
Chewing and smoking tobacco	2130	n.a.	11.2	9.7	5.0	3.7	6.1	6.0	83.0	61.3

See footnotes at end of table.

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Table 1. Occupational injury and illness incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	1983 annual average employment (thousands) [4]	Incidence rates per 100 full-time workers [5]							
			Total cases [6]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1982	1983	1982	1983	1982	1983	1982	1983
Tobacco stemming and redrying	2140	n.a.	14.7	14.5	6.2	6.7	8.5	7.9	71.7	72.2
Textile mill products	2200	743.5	7.6	7.4	2.8	2.8	4.9	4.6	53.8	51.4
Weaving mills, cotton	2210	124.1	5.5	5.3	1.6	1.6	3.9	3.7	36.7	33.8
Weaving mills, synthetics	2220	91.4	6.6	5.4	2.0	1.9	4.7	3.5	46.9	42.6
Weaving and finishing mills, wool	2230	17.4	9.2	9.3	4.6	4.7	4.6	4.6	96.3	85.6
Narrow fabric mills	2240	22.3	10.1	9.0	4.2	3.6	5.9	5.4	72.8	54.3
Knitting mills	2250	204.3	6.1	6.4	2.5	2.6	3.6	3.8	41.1	39.8
Women's hosiery, except socks	2251	33.3	3.6	4.7	1.2	2.1	2.4	2.5	22.0	29.6
Hosiery, n.e.c	2252	34.6	5.6	6.3	2.2	2.5	3.4	3.9	45.9	37.8
Knit outerwear mills	2253	62.2	5.6	6.0	2.4	2.2	3.2	3.8	28.1	30.8
Knit underwear mills	2254	30.1	6.5	5.5	2.8	2.6	3.7	2.9	47.7	41.4
Circular knit fabric mills	2257	25.1	8.2	8.9	3.1	3.5	5.1	5.3	57.9	52.8
Warp knit fabric mills	2258	n.a.	8.5	8.4	3.7	3.8	4.8	4.6	74.8	67.6
Knitting mills, n.e.c	2259	n.a.	9.1	8.7	4.5	5.0	4.6	3.7	66.4	75.4
Textile finishing, except wool	2260	63.5	10.5	10.6	4.0	4.4	6.5	6.2	78.4	85.5
Finishing plants, cotton	2261	25.4	8.6	9.3	3.3	3.9	5.3	5.4	68.9	78.8
Finishing plants, synthetics	2262	23.5	10.4	10.0	4.0	4.1	6.5	5.9	76.3	73.9
Finishing plants, n.e.c	2269	14.6	14.8	13.7	5.6	5.6	9.2	8.0	101.1	115.4
Floor covering mills	2270	48.7	9.8	8.9	3.3	3.4	6.5	5.5	67.7	68.5
Woven carpets and rugs	2271	n.a.	13.3	12.7	5.6	5.1	7.8	7.5	70.2	83.4
Tufted carpets and rugs	2272	n.a.	9.5	8.4	3.0	3.2	6.5	5.3	68.6	65.0
Yarn and thread mills	2280	111.9	8.1	8.0	2.5	2.5	5.6	5.5	45.4	45.8
Yarn mills, except wool	2281	77.0	8.2	7.9	2.3	2.2	6.0	5.7	41.3	42.1
Throwing and winding mills	2282	17.3	7.7	8.2	2.8	2.9	4.9	5.3	53.7	51.9
Wool yarn mills	2283	8.3	10.1	10.0	4.1	4.0	6.0	6.0	81.9	64.6
Thread mills	2284	9.3	6.2	5.8	2.1	2.1	4.0	3.7	32.2	49.6
Miscellaneous textile goods	2290	59.9	11.8	11.5	5.0	4.7	6.8	6.9	99.5	88.8
Felt goods, except woven felts and hats	2291	n.a.	15.4	13.7	6.2	5.9	9.2	7.7	103.6	108.1
Paddings and upholstery filling	2293	n.a.	13.8	14.5	5.3	5.3	8.5	9.2	73.2	84.5
Processed textile waste	2294	6.8	12.5	11.7	5.0	4.7	7.5	7.1	111.6	87.4
Coated fabrics, not rubberized	2295	10.2	12.5	12.4	5.6	5.1	6.9	7.3	125.2	113.4
Tire cord and fabric	2296	7.2	7.2	6.5	3.0	2.0	4.2	4.5	66.5	60.1
Nonwoven fabrics	2297	n.a.	13.1	10.9	5.1	4.8	8.0	6.0	119.1	67.0
Cordage and twine	2298	8.2	12.1	14.8	6.2	5.9	6.0	9.0	105.5	76.2
Textile goods, n.e.c	2299	n.a.	9.8	7.2	4.3	3.4	5.5	3.7	67.5	104.3
Apparel and other textile products	2300	1,164.1	6.0	6.4	2.1	2.4	3.9	4.0	36.4	40.6
Men's and boys' suits and coats	2310	70.6	7.6	7.0	2.9	2.9	4.7	4.1	50.4	50.3
Men's and boys' furnishings	2320	324.7	7.5	7.7	2.7	3.1	4.8	4.6	45.1	51.2
Men's and boys' shirts and nightwear	2321	93.4	5.9	6.0	1.9	2.4	4.0	3.6	28.6	37.5
Men's and boys' underwear	2322	13.9	-	6.1	-	2.1	-	4.0	-	46.8
Men's and boys' neckwear	2323	6.9	3.0	3.1	.9	.7	2.1	2.4	26.1	13.3
Men's and boys' separate trousers	2327	63.2	8.3	7.4	3.3	3.0	5.1	4.4	59.0	51.0
Men's and boys' work clothing	2328	97.5	9.5	10.8	3.7	4.6	5.7	6.2	53.7	78.2
Men's and boys' clothing, n.e.c	2329	49.7	7.0	6.1	2.2	2.1	4.7	4.0	43.1	30.9
Women's and misses' outerwear	2330	387.9	3.9	4.7	1.3	1.7	2.6	3.0	23.2	31.5
Women's and misses' blouse and waists	2331	59.9	4.0	4.1	1.0	1.3	3.0	2.8	17.1	23.4
Women's and misses' dresses	2335	124.7	2.4	3.3	.8	1.1	1.6	2.2	13.7	22.3
Women's and misses' suits and coats	2337	56.7	4.8	4.2	1.6	1.5	3.2	2.7	26.3	26.4
Women's and misses' outerwear, n.e.c	2339	146.6	5.0	6.2	1.8	2.3	3.2	3.9	33.3	44.3
Women's and children's undergarments	2340	84.0	6.1	6.6	1.9	1.8	4.3	4.7	32.1	27.5
Women's and children's underwear	2341	67.8	5.8	6.3	1.7	1.8	4.1	4.6	28.5	27.0
Brassieres and allied garments	2342	16.2	7.6	7.5	2.7	2.1	4.9	5.4	47.5	29.4
Hats, caps, and millinery	2350	15.3	6.2	5.8	2.4	2.3	3.8	3.6	35.7	34.1

See footnotes at end of table.

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Table 1. Occupational injury and illness incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	1983 annual average employment (thousands) [4]	Incidence rates per 100 full-time workers [5]							
			Total cases [6]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1982	1983	1982	1983	1982	1983	1982	1983
Hats and caps, except millinery	2352	n.a.	6.3	6.2	2.6	2.5	3.8	3.7	38.1	39.3
Children's outerwear	2360	59.6	4.7	5.2	1.7	1.8	3.1	3.4	34.0	35.4
Children's dresses and blouses	2361	25.0	4.6	5.0	1.5	1.7	3.1	3.4	30.5	34.9
Children's coats and suits	2363	4.0	5.3	4.1	1.4	1.8	3.9	2.3	25.0	34.8
Miscellaneous apparel and accessories	2380	46.5	5.3	5.4	2.0	2.1	3.2	3.2	34.0	27.6
Fabric dress and work gloves	2381	8.4	2.9	3.8	1.5	1.6	1.4	2.2	18.7	25.4
Robes and dressing gowns	2384	8.8	6.1	6.8	2.1	2.6	4.0	4.2	30.9	17.9
Waterproof outergarments	2385	9.5	6.8	5.5	3.1	2.1	3.7	3.4	53.7	31.5
Leather and sheep lined clothing	2386	3.8	-	5.0	-	3.0	-	2.0	-	54.9
Apparel belts	2387	10.3	6.1	6.0	1.6	2.2	4.4	3.8	36.4	23.0
Miscellaneous fabricated textile products	2390	171.9	7.8	8.4	2.7	3.1	5.0	5.2	47.3	49.6
Curtains and draperies	2391	25.0	7.0	8.3	2.6	3.2	4.4	5.1	44.2	55.0
House furnishings, n.e.c	2392	50.0	9.4	9.1	3.1	3.4	6.2	5.6	45.2	56.4
Textile bags	2393	7.9	10.6	10.6	3.8	4.0	6.7	6.6	58.7	53.3
Canvas and related products	2394	15.7	9.2	9.9	3.8	4.0	5.4	5.9	75.9	53.1
Pleating and stitching	2395	14.4	5.0	5.4	1.6	2.1	3.5	3.3	43.5	38.0
Automotive and apparel trimmings	2396	31.2	5.5	5.5	1.9	2.1	3.5	3.4	32.0	44.4
Schiffli and machine embroideries	2397	n.a.	-	5.0	-	1.5	-	3.5	-	29.9
Fabricated textile products, n.e.c	2399	n.a.	8.8	11.6	2.9	3.9	5.8	7.7	58.1	43.4
Paper and allied products	2600	661.6	10.6	10.0	4.9	4.5	5.8	5.5	99.1	90.3
Pulp mills	2610	14.9	7.8	6.9	3.6	3.4	4.2	3.5	100.1	82.9
Paper mills, except building paper	2620	173.7	8.9	7.7	4.1	3.3	4.8	4.4	109.7	86.3
Paperboard mills	2630	58.9	9.9	8.9	4.3	3.7	5.5	5.2	109.8	89.0
Miscellaneous converted paper products	2640	212.9	11.2	10.5	5.2	5.0	6.0	5.5	89.1	84.8
Paper coating and glazing	2641	55.3	8.7	8.1	3.7	3.6	5.0	4.4	57.6	58.1
Envelopes	2642	24.7	15.1	12.9	7.5	5.7	7.6	7.1	127.0	97.0
Bags, except textile bags	2643	47.4	12.7	11.8	5.6	5.3	7.1	6.4	91.5	85.7
Die-cut paper and board	2645	15.6	11.7	12.0	5.4	6.0	6.3	6.0	97.8	99.2
Pressed and molded pulp goods	2646	n.a.	7.8	9.2	4.5	5.0	3.3	4.2	74.4	112.2
Sanitary paper products	2647	27.8	10.1	8.1	4.9	4.3	5.2	3.7	92.0	81.2
Stationery products	2648	n.a.	11.1	10.6	6.0	6.0	5.2	4.6	99.9	80.5
Converted paper products	2649	n.a.	11.4	12.5	5.4	6.0	5.9	6.5	104.8	116.5
Paperboard containers and boxes	2650	190.5	12.1	12.1	5.6	5.4	6.5	6.8	97.6	102.9
Folding paperboard boxes	2651	40.7	11.9	12.6	5.4	5.5	6.5	7.1	94.4	103.9
Set-up paperboard boxes	2652	11.1	9.2	11.4	4.1	4.5	5.2	6.9	60.5	76.2
Corrugated and solid fiber boxes	2653	98.6	13.2	13.0	6.1	5.6	7.1	7.3	106.8	111.7
Sanitary food containers	2654	23.0	9.4	8.2	4.7	4.3	4.7	3.8	97.8	80.9
Fiber cans, drums, and similar products	2655	17.2	11.4	11.7	4.8	5.1	6.6	6.6	73.2	93.8
Printing and publishing	2700	1,295.8	6.6	6.6	2.8	2.9	3.7	3.7	45.7	44.6
Newspapers	2710	427.9	5.8	6.2	2.5	2.8	3.2	3.4	43.5	47.5
Periodicals	2720	99.5	2.9	3.6	1.6	1.9	1.3	1.7	28.8	29.3
Books	2730	98.0	6.4	5.6	2.6	2.4	3.8	3.2	36.2	39.5
Book publishing	2731	72.8	4.9	3.9	1.9	1.7	3.0	2.2	24.3	29.4
Miscellaneous publishing	2740	53.4	2.9	3.3	1.3	1.5	1.7	1.9	16.5	21.9
Commercial printing	2750	436.7	7.9	7.8	3.4	3.3	4.5	4.5	55.2	48.3
Commercial printing, letterpress	2751	149.8	7.8	7.0	3.3	3.2	4.4	3.9	60.5	51.8
Commercial printing, lithographic	2752	262.6	7.8	8.2	3.3	3.4	4.5	4.8	51.9	45.6
Engraving and plate printing	2753	10.9	7.4	6.2	2.8	2.2	4.6	4.1	44.4	32.6
Commercial printing, gravure	2754	13.3	11.7	10.6	5.6	4.9	6.2	5.7	67.5	75.1
Manifold business forms	2760	47.4	11.6	9.5	5.0	4.2	6.6	5.3	69.1	62.1
Greeting card publishing	2770	23.6	5.4	5.9	2.4	2.7	3.0	3.3	42.6	43.7
Blankbooks and bookbinding	2780	64.8	10.2	9.4	4.4	4.1	5.8	5.3	61.1	60.0

See footnotes at end of table.

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Table 1. Occupational injury and illness incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	1983 annual average employment (thousands) [4]	Incidence rates per 100 full-time workers [5]							
			Total cases [6]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1982	1983	1982	1983	1982	1983	1982	1983
Blankbooks and looseleaf binders	2782	40.1	10.8	9.9	4.3	4.2	6.5	5.7	55.1	61.2
Bookbinding and related work	2789	24.7	9.1	8.5	4.5	3.8	4.6	4.7	71.4	58.0
Printing trade services	2790	44.6	2.2	2.1	.8	.6	1.4	1.4	12.9	9.9
Typesetting	2791	28.3	-	1.4	-	.4	-	1.0	-	8.3
Photoengraving	2793	n.a.	-	3.4	-	1.2	-	2.2	-	15.7
Electrotyping and stereotyping	2794	n.a.	4.2	7.7	1.0	1.4	3.2	6.2	3.5	9.9
Lithographic platemaking services	2795	n.a.	-	2.6	-	.8	-	1.9	-	9.7
Chemicals and allied products	2800	1,046.8	5.7	5.5	2.5	2.5	3.2	3.0	39.4	42.3
Industrial inorganic chemicals	2810	155.1	4.1	3.9	1.8	1.7	2.3	2.2	32.3	33.4
Alkalies and chlorine	2812	17.3	3.8	4.0	1.7	1.7	2.1	2.3	28.9	38.1
Industrial gases	2813	23.4	-	3.1	-	1.4	-	1.8	-	29.6
Industrial inorganic chemicals, n.e.c	2819	104.8	3.6	3.9	1.6	1.7	2.0	2.2	27.9	31.6
Plastics materials and synthetics	2820	176.2	3.6	3.7	1.5	1.6	2.1	2.1	28.5	29.9
Plastics materials and resins	2821	73.9	5.4	5.0	2.3	2.2	3.1	2.8	42.9	39.5
Synthetic rubber	2822	13.3	5.4	5.3	2.6	2.5	2.8	2.8	52.0	43.0
Cellulosic man-made fibers	2823	16.5	3.6	4.3	1.8	2.1	1.7	2.2	42.6	49.4
Organic fibers, noncellulosic	2824	72.5	-	1.8	-	.6	-	1.2	-	12.6
Drugs	2830	199.7	5.7	5.6	2.7	2.7	3.0	2.9	35.3	38.0
Biological products	2831	23.5	4.9	5.2	2.2	2.6	2.7	2.6	31.0	36.9
Medicinals and botanicals	2833	18.6	7.1	5.7	3.7	2.7	3.4	2.9	47.9	38.2
Pharmaceutical preparations	2834	157.7	5.6	5.7	2.7	2.8	3.0	2.9	34.4	38.1
Soap, cleaners, and toilet goods	2840	143.0	7.8	7.1	3.6	3.4	4.2	3.8	52.3	56.0
Soap and other detergents	2841	43.1	7.4	6.7	3.7	3.4	3.7	3.3	55.5	55.3
Polishes and sanitation goods	2842	n.a.	10.0	9.0	4.4	4.0	5.6	5.0	62.7	68.2
Surface active agents	2843	n.a.	7.7	7.8	3.0	3.8	4.6	3.9	42.5	66.8
Toilet preparations	2844	62.4	7.0	6.4	3.1	3.0	3.9	3.4	45.8	49.4
Paints and allied products	2850	59.7	11.1	9.4	4.7	3.9	6.4	5.5	69.6	59.4
Industrial organic chemicals	2860	162.9	3.9	3.9	1.6	1.6	2.3	2.3	28.3	36.2
Gum and wood chemicals	2861	n.a.	7.2	7.2	3.2	3.7	4.0	3.4	68.3	87.5
Cyclic crudes and intermediates	2865	33.3	5.7	3.8	2.7	1.9	3.0	1.9	42.2	43.5
Industrial organic chemicals, n.e.c	2869	n.a.	3.2	3.7	1.3	1.3	2.0	2.3	21.9	30.3
Agricultural chemicals	2870	60.6	6.4	6.2	2.6	2.8	3.8	3.5	42.9	56.2
Nitrogenous fertilizers	2873	12.7	7.7	6.5	2.5	2.6	5.2	3.9	42.2	50.7
Phosphatic fertilizers	2874	13.3	4.8	5.3	2.0	2.8	2.8	2.5	48.0	66.9
Fertilizers, mixing only	2875	12.2	9.5	10.1	4.0	4.2	5.5	5.9	58.6	78.0
Agricultural chemicals, n.e.c	2879	22.5	5.1	4.6	2.3	2.0	2.8	2.5	32.5	41.1
Miscellaneous chemical products	2890	89.5	8.7	8.8	3.8	4.0	4.9	4.8	62.8	61.6
Adhesives and sealants	2891	20.3	11.0	12.5	5.0	5.6	6.0	7.0	77.6	73.5
Explosives	2892	15.9	4.8	4.4	1.7	1.9	3.0	2.5	45.0	41.6
Printing ink	2893	11.9	11.0	13.4	4.7	6.7	6.4	6.7	85.1	65.3
Chemical preparations, n.e.c	2899	n.a.	8.8	7.6	3.8	3.3	4.9	4.3	56.8	62.8
Petroleum and coal products	2900	195.4	5.3	5.5	2.5	2.4	2.8	3.0	46.4	46.8
Petroleum refining	2910	158.2	4.1	3.9	1.9	1.6	2.2	2.2	33.8	32.5
Paving and roofing materials	2950	26.0	11.0	12.2	5.4	5.7	5.6	6.4	106.5	114.9
Paving mixtures and blocks	2951	11.4	11.2	12.5	5.4	5.6	5.7	6.9	109.3	105.2
Asphalt felts and coatings	2952	14.6	10.9	11.9	5.4	5.8	5.5	6.1	104.2	122.1
Miscellaneous petroleum and coal products	2990	11.2	9.5	12.3	4.5	5.9	4.9	6.4	100.8	93.8
Lubricating oils and greases	2992	n.a.	8.7	11.6	4.1	5.5	4.6	6.0	75.8	90.4
Petroleum and coal products, n.e.c	2999	n.a.	15.2	17.9	7.8	8.8	7.3	9.1	272.6	119.8
Rubber and miscellaneous plastics products	3000	718.1	12.7	13.0	6.0	6.2	6.7	6.8	100.9	101.4
Tires and inner tubes	3010	95.9	9.9	8.6	6.9	6.3	2.9	2.3	129.2	119.0

See footnotes at end of table.

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Table 1. Occupational injury and illness incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	1983 annual average employment (thousands) [4]	Incidence rates per 100 full-time workers [5]							
			Total cases [6]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1982	1983	1982	1983	1982	1983	1982	1983
Rubber and plastics footwear	3020	16.9	11.9	11.8	6.5	6.1	5.5	5.7	112.2	141.2
Reclaimed rubber	3030	n.a.	20.9	19.3	12.6	9.0	8.3	10.3	280.7	217.2
Rubber and plastics hose and belting	3040	n.a.	10.4	9.8	5.6	4.7	4.8	5.1	106.5	84.2
Fabricated rubber products, n.e.c	3060	100.1	13.5	13.5	6.5	6.5	7.0	7.0	110.7	101.8
Miscellaneous plastics products	3070	484.9	13.3	14.0	5.6	6.2	7.7	7.8	91.3	97.2
Leather and leather products	3100	207.9	9.9	10.0	4.5	4.4	5.4	5.6	86.5	87.3
Leather tanning and finishing	3110	18.9	21.7	19.0	11.3	9.9	10.4	9.7	208.3	186.8
Boot and shoe cut stock and findings	3130	9.8	13.4	11.4	5.9	5.6	7.4	5.8	101.4	105.4
Footwear, except rubber	3140	127.4	8.9	9.3	4.1	4.1	4.8	5.2	80.5	87.7
House slippers	3142	7.4	7.8	8.2	3.8	3.8	4.1	4.3	53.2	63.1
Men's footwear, except athletic	3143	51.4	9.7	9.8	4.5	4.4	5.2	5.4	82.6	97.0
Women's footwear, except athletic	3144	48.6	7.9	7.7	3.7	3.5	4.2	4.2	78.9	82.1
Footwear, except rubber, n.e.c	3149	20.0	9.7	12.2	4.3	4.9	5.4	7.3	91.2	86.8
Leather gloves and mittens	3150	3.6	5.6	4.5	2.0	1.7	3.6	2.8	31.1	45.1
Luggage	3160	12.4	9.6	9.5	4.2	4.1	5.4	5.4	66.1	62.7
Handbags and personal leather goods	3170	27.0	6.4	7.1	2.2	2.6	4.2	4.5	41.0	36.2
Women's handbags and purses	3171	15.3	5.3	6.4	1.5	2.1	3.7	4.3	32.2	35.0
Personal leather goods, n.e.c	3172	11.7	7.9	8.0	3.1	3.3	4.8	4.7	53.1	37.8
Transportation and public utilities		4,958.0	8.5	8.2	4.9	4.7	3.6	3.5	96.7	94.9
Railroad transportation [8]	4000	376.6	9.0	8.0	5.9	5.3	3.1	2.7	88.0	76.9
Local and interurban passenger transit	4100	254.1	9.3	9.7	5.2	5.4	4.1	4.3	105.4	114.3
Local and suburban transportation	4110	78.3	12.2	13.8	6.6	8.0	5.6	5.8	119.5	133.0
Taxicabs	4120	39.4	5.6	3.8	3.7	2.5	1.9	1.3	83.9	64.9
Intercity highway transportation	4130	35.7	12.2	12.2	7.2	7.1	5.0	5.1	167.4	196.5
Transportation charter service	4140	n.a.	5.7	9.7	3.1	3.9	2.6	5.9	61.5	127.4
School buses	4150	81.5	6.0	6.7	3.0	3.3	3.0	3.4	62.9	63.8
Bus terminal and service facilities	4170	n.a.	-	12.2	-	5.4	-	6.7	-	123.7
Trucking and warehousing	4200	1,214.3	14.2	13.3	8.6	8.1	5.5	5.2	192.1	185.7
Trucking, local and long distance	4210	1,123.8	14.2	13.3	8.8	8.1	5.4	5.1	196.8	189.3
Public warehousing	4220	84.5	13.8	13.9	6.6	7.1	7.2	6.9	118.3	133.0
Trucking terminal facilities	4230	6.0	-	15.2	-	8.7	-	6.5	-	232.8
Water transportation	4400	194.1	11.4	10.8	6.7	6.4	4.7	4.4	250.5	229.9
Local water transportation	4450	28.6	-	8.0	-	4.7	-	3.3	-	142.4
Water transportation services	4460	99.7	17.9	17.1	10.6	10.5	7.3	6.6	446.3	401.0
Transportation by air	4500	451.7	13.6	12.7	7.6	7.3	5.9	5.4	101.4	97.7
Certificated air transportation	4510	373.8	14.2	13.3	8.1	7.7	6.1	5.6	108.0	103.7
Air transportation services	4580	53.4	12.0	11.0	6.2	5.7	5.8	5.2	82.3	76.0
Pipe lines, except natural gas	4600	20.7	5.0	4.2	2.0	1.5	3.0	2.7	30.3	24.7
Transportation services	4700	227.3	4.0	3.4	2.0	1.8	2.0	1.6	35.2	37.9
Freight forwarding	4710	53.5	6.1	6.9	3.3	3.7	2.8	3.2	58.7	66.2
Arrangement of transportation	4720	154.1	1.1	1.1	.6	.6	.5	.5	12.6	17.3
Miscellaneous transportation services	4780	13.0	-	12.3	-	6.0	-	6.3	-	133.6
Communication	4800	1,337.0	2.8	2.9	1.4	1.5	1.3	1.4	22.7	27.1
Telephone communication	4810	965.2	2.0	2.0	1.2	1.2	.7	.8	19.8	22.4
Telegraph communication	4820	18.6	4.2	3.8	2.2	2.0	2.1	1.8	56.2	41.2
Radio and television broadcasting	4830	224.8	2.2	2.2	.8	.9	1.4	1.3	12.3	14.0
Communication services, n.e.c	4890	128.3	11.5	11.3	4.7	4.8	6.8	6.5	66.5	83.0
Electric, gas, and sanitary services	4900	881.9	7.6	7.2	3.9	3.6	3.7	3.6	65.3	61.4
Electric services	4910	432.1	6.9	6.2	3.3	2.9	3.6	3.3	56.3	52.2
Gas production and distribution	4920	173.2	7.1	6.9	3.6	3.5	3.5	3.4	54.3	49.8
Combination utility services	4930	200.3	5.7	5.7	3.2	3.1	2.5	2.6	64.6	59.9
Water supply	4940	21.1	10.3	10.6	4.4	5.3	6.0	5.3	58.7	91.9
Sanitary services	4950	52.5	20.5	20.9	11.5	11.1	9.0	9.8	182.4	170.1

See footnotes at end of table.

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Table 1. Occupational injury and illness incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	1983 annual average employment (thousands) [4]	Incidence rates per 100 full-time workers [5]							
			Total cases [6]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1982	1983	1982	1983	1982	1983	1982	1983
Steam supply	4960	n.a.	-	12.3	-	5.7	-	6.7	-	51.0
Irrigation systems	4970	n.a.	-	11.0	-	5.4	-	5.6	-	52.8
Wholesale and retail trade		20,805.0	7.2	7.2	3.1	3.1	4.1	4.1	45.5	47.8
Wholesale trade		5,259.0	7.1	7.0	3.4	3.2	3.7	3.8	52.1	50.6
Wholesale trade-durable goods	5000	3,064.0	6.7	6.4	2.9	2.7	3.7	3.7	43.1	39.7
Motor vehicles and automotive equipment	5010	399.9	7.6	6.9	3.5	2.9	4.0	4.0	49.2	46.2
Lumber and construction materials	5030	187.0	10.9	11.1	4.8	4.9	6.1	6.2	66.2	68.9
Metals and minerals, except petroleum	5050	128.0	12.2	11.6	5.6	5.0	6.7	6.6	85.9	80.6
Hardware, plumbing and heating equipment	5070	234.2	4.9	6.0	2.1	2.6	2.8	3.4	26.7	29.7
Machinery, equipment, and supplies	5080	1,310.9	6.5	5.7	2.7	2.3	3.8	3.5	39.4	32.1
Miscellaneous durable goods	5090	180.9	8.7	10.2	4.3	4.8	4.4	5.4	76.6	73.4
Wholesale trade-nondurable goods	5100	2,195.0	7.8	7.9	4.1	4.1	3.7	3.8	65.0	66.3
Paper and paper products	5110	161.5	-	4.9	-	2.8	-	2.1	-	43.2
Drugs, proprietaries, and sundries	5120	154.6	5.6	5.8	2.6	2.8	3.0	3.0	44.5	42.7
Groceries and related products	5140	685.3	11.9	12.3	6.4	6.6	5.4	5.7	98.6	106.0
Farm-product raw materials	5150	144.4	6.8	6.9	3.0	2.9	3.7	3.9	59.7	64.1
Petroleum and petroleum products	5170	211.3	5.4	4.5	3.0	2.2	2.4	2.4	51.3	45.9
Beer, wine, and distilled beverages	5180	211.3	11.6	11.5	6.4	6.3	5.2	5.2	104.3	103.1
Miscellaneous nondurable goods	5190	397.4	6.3	5.4	3.1	2.8	3.2	2.7	47.7	40.6
Retail trade		15,545.0	7.2	7.3	2.9	3.0	4.3	4.3	42.6	46.7
Building materials and garden supplies	5200	613.0	8.4	8.5	3.6	3.7	4.8	4.8	53.7	57.9
Lumber and other building materials	5210	320.4	10.5	10.8	4.6	4.9	5.9	5.9	68.1	75.7
Paint, glass, and wallpaper stores	5230	61.3	8.7	7.6	2.9	2.7	5.7	4.8	54.8	48.8
Hardware stores	5250	148.4	4.8	4.8	2.0	1.9	2.8	2.9	33.6	24.4
Retail nurseries and garden stores	5260	57.1	5.8	6.5	2.6	2.8	3.2	3.7	21.7	34.6
General merchandise stores	5300	2,161.3	9.2	9.7	3.8	4.0	5.3	5.7	55.1	55.8
Department stores	5310	1,830.8	9.7	10.2	4.1	4.2	5.6	6.0	57.3	60.1
Variety stores	5330	210.8	8.2	7.3	3.0	2.7	5.2	4.6	49.2	35.9
Food stores	5400	2,560.3	10.3	10.4	4.4	4.5	5.9	5.9	71.5	79.8
Grocery stores	5410	2,242.2	11.0	11.2	4.7	4.8	6.3	6.4	77.0	86.0
Automotive dealers and service stations	5500	1,666.7	6.9	6.8	2.5	2.5	4.4	4.4	41.1	39.7
New and used car dealers	5510	720.7	9.0	8.6	2.6	2.7	6.4	5.9	39.3	41.1
Auto and home supply stores	5530	272.5	7.7	9.2	3.5	4.2	4.2	5.0	58.9	66.8
Gasoline service stations	5540	556.9	4.0	3.6	1.9	1.5	2.1	2.2	37.4	27.4
Apparel and accessory stores	5600	955.6	2.5	2.4	1.0	1.0	1.5	1.4	12.3	17.9
Family clothing stores	5650	178.9	4.7	4.3	2.2	1.9	2.5	2.4	24.6	21.7
Furniture and home furnishing stores	5700	602.8	3.9	3.7	1.8	1.8	2.1	1.9	29.3	30.4
Furniture and home furnishings stores	5710	358.8	4.5	4.2	2.2	2.1	2.4	2.1	29.2	35.6
Household appliance stores	5720	78.5	-	3.7	-	1.9	-	1.8	-	27.6
Radio, television, and music stores	5730	165.5	2.5	2.5	1.2	1.2	1.3	1.4	29.8	20.5
Eating and drinking places	5800	5,006.7	7.6	7.8	2.9	3.0	4.7	4.7	34.4	40.5
Miscellaneous retail	5900	1,978.5	3.7	3.6	1.7	1.7	2.0	1.9	27.4	31.4
Drug stores and proprietary stores	5910	505.0	3.2	3.1	1.2	1.2	2.0	1.9	27.7	24.6
Liquor stores	5920	126.7	-	2.5	-	1.1	-	1.4	-	42.5
Miscellaneous shopping goods stores	5940	644.6	2.2	2.2	.9	1.0	1.3	1.2	11.5	14.6
Nonstore retailers	5960	250.2	7.2	7.3	3.3	3.6	3.8	3.7	44.9	45.4
Fuel and ice dealers	5980	101.8	8.0	7.2	4.1	3.9	3.9	3.2	66.9	60.2
Retail stores, n.e.c	5990	283.9	-	2.3	-	1.2	-	1.1	-	44.1
Finance, insurance, and real estate		5,467.0	2.0	2.0	.9	.9	1.1	1.1	13.2	12.8
Banking	6000	1,663.4	1.7	1.6	.7	.6	1.0	1.0	10.3	8.2
Commercial and stock savings banks	6020	1,509.4	1.6	1.7	.7	.6	1.0	1.0	10.3	7.9

See footnotes at end of table.

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Table 1. Occupational injury and illness incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	1983 annual average employment (thousands) [4]	Incidence rates per 100 full-time workers [5]							
			Total cases [6]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1982	1983	1982	1983	1982	1983	1982	1983
Credit agencies other than banks	6100	630.8	1.3	1.3	0.5	0.5	0.7	0.8	8.3	6.3
Savings and loan associations	6120	292.8	1.5	1.8	.6	.7	.9	1.1	8.8	7.2
Security, commodity brokers and services	6200	309.0	.8	.8	.3	.3	.5	.5	3.9	3.8
Security brokers and dealers	6210	251.4	.7	.7	.3	.2	.4	.5	3.4	3.1
Security and commodity services	6280	n.a.	-	.9	-	.4	-	.5	-	4.5
Insurance carriers	6300	1,233.7	1.9	1.8	.8	.8	1.1	1.0	11.4	12.5
Life insurance	6310	542.3	1.5	1.4	.7	.7	.8	.7	11.2	12.7
Medical service and health insurance	6320	145.2	2.4	2.0	1.0	.9	1.3	1.1	10.5	12.0
Fire, marine, and casualty insurance	6330	470.8	2.2	2.3	.8	.9	1.4	1.4	12.2	12.2
Insurance agents, brokers and service	6400	487.4	.9	.8	.3	.3	.6	.5	5.0	4.4
Real estate	6500	989.8	4.4	4.4	2.1	2.2	2.3	2.2	32.2	35.0
Real estate operators and lessors	6510	481.8	5.0	5.0	2.4	2.5	2.5	2.4	35.7	39.4
Real estate agents and managers	6530	364.2	3.2	2.9	1.6	1.4	1.6	1.5	24.6	22.5
Subdividers and developers	6550	121.4	7.0	7.9	3.2	3.9	3.8	4.0	48.3	59.9
Holding and other investment offices	6700	136.8	1.9	1.7	.8	.7	1.1	1.0	13.3	9.3
Holding offices	6710	69.5	2.3	1.8	.9	.7	1.3	1.1	13.0	8.5
Services		19,232.7	4.9	5.1	2.3	2.4	2.6	2.7	35.8	37.0
Hotels and other lodging places	7000	1,166.9	9.0	9.2	3.6	3.8	5.4	5.4	53.4	54.5
Hotels, motels, and tourist courts	7010	1,127.2	9.3	9.3	3.7	3.8	5.5	5.5	55.3	55.3
Personal services	7200	954.2	3.1	2.9	1.4	1.4	1.7	1.5	21.2	20.8
Laundry, cleaning, and garment services	7210	349.6	5.5	5.0	2.5	2.4	3.0	2.5	37.8	38.9
Business services	7300	3,539.4	4.4	4.7	2.0	2.1	2.4	2.5	31.6	33.5
Services to buildings	7340	140.0	6.8	7.1	3.5	3.8	3.2	3.3	51.5	59.4
Personnel supply services	7360	634.4	7.8	7.5	3.6	3.0	4.1	4.5	55.2	49.1
Computer and data processing services	7370	415.8	1.4	1.3	.7	.5	.8	.8	10.7	8.4
Miscellaneous business services	7390	1,538.0	4.2	4.7	1.7	2.2	2.4	2.6	29.9	31.5
Auto repair, services, and garages	7500	615.7	7.6	7.1	3.1	3.3	4.5	3.8	54.1	52.3
Automotive rentals, without drivers	7510	124.1	9.9	8.2	3.6	4.5	6.2	3.7	64.6	68.6
Automotive repair shops	7530	382.1	7.8	7.4	3.2	3.2	4.5	4.1	52.4	52.6
Automotive services, except repair	7540	68.2	-	5.0	-	2.5	-	2.5	-	37.7
Miscellaneous repair services	7600	284.2	8.8	7.9	4.2	3.7	4.6	4.1	77.4	61.8
Electrical repair shops	7620	86.9	5.4	5.5	2.7	2.5	2.6	2.9	54.1	41.9
Miscellaneous repair shops	7690	n.a.	11.4	9.8	5.4	4.7	6.1	5.2	97.7	76.8
Motion pictures	7800	216.0	3.8	4.1	1.3	1.6	2.5	2.5	23.4	29.0
Motion picture theaters	7830	109.1	3.0	2.9	1.2	1.2	1.8	1.7	17.4	14.3
Amusement and recreation services	7900	830.5	8.1	8.2	3.7	3.7	4.4	4.5	52.0	53.9
Bowling and billiard establishments	7930	98.7	-	3.6	-	1.6	-	2.0	-	29.6
Miscellaneous amusement, recreational services	7990	n.a.	8.6	8.4	3.8	3.8	4.8	4.6	52.3	50.0
Health services	8000	5,973.4	5.9	6.3	3.1	3.2	2.8	3.1	49.2	50.3
Nursing and personal care facilities	8050	1,107.8	10.1	11.0	5.7	6.0	4.4	5.0	95.1	98.2
Hospitals	8060	3,034.1	7.3	7.4	3.7	3.6	3.6	3.8	57.5	57.2
Legal services	8100	601.1	.5	.5	.2	.2	.2	.3	4.4	4.8
Educational services	8200	1,216.8	3.4	3.4	1.5	1.4	2.0	2.0	19.4	18.3
Colleges and universities	8220	762.9	4.1	4.0	1.7	1.6	2.4	2.4	20.6	22.9
Libraries and information centers	8230	n.a.	3.1	2.0	1.1	1.0	2.0	1.0	14.3	15.6
Social services	8300	1,221.4	5.0	5.3	2.2	2.5	2.7	2.8	29.4	37.6
Individual and family services	8320	254.9	3.7	4.5	2.0	2.3	1.7	2.2	30.5	30.8
Job training and related services	8330	194.4	8.6	8.5	3.2	3.6	5.4	4.9	34.2	47.1
Residential care	8360	249.2	7.3	7.5	3.5	3.6	3.9	3.8	49.6	54.8

See footnotes at end of table.

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Table 1. Occupational injury and illness incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	1983 annual average employment (thousands) [4]	Incidence rates per 100 full-time workers [5]							
			Total cases [6]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1982	1983	1982	1983	1982	1983	1982	1983
Social services, n.e.c	8390	224.3	4.7	4.7	2.1	2.2	2.6	2.5	26.3	30.1
Museums, botanical, zoological gardens	8400	37.6	6.9	6.4	2.7	2.7	4.2	3.7	43.2	33.5
Museums and art galleries	8410	n.a.	4.9	4.4	1.9	1.8	3.0	2.5	37.1	23.4
Botanical and zoological gardens	8420	n.a.	14.9	14.8	5.8	6.1	9.1	8.6	68.6	76.3
Membership organizations	8600	1,511.2	-	2.6	-	1.0	-	1.6	-	18.7
Civic and social associations	8640	317.1	-	3.9	-	1.6	-	2.3	-	26.7
Membership organizations, n.e.c	8690	n.a.	-	4.8	-	2.0	-	2.9	-	28.4
Miscellaneous services	8900	1,064.3	1.3	1.3	.6	.5	.8	.7	8.7	7.7
Engineering and architectural services	8910	570.4	1.7	1.7	.7	.7	1.1	1.0	11.9	11.0
Noncommercial research organizations	8920	108.6	2.5	2.2	1.1	1.0	1.3	1.2	13.8	11.7
Accounting, auditing and bookkeeping	8930	364.3	-	.3	-	.1	-	.2	-	1.6

[1] To maintain comparability with the rest of the series, a statistical method was used for generating the estimates to represent the small nonfarm employers in low-risk industries who were not surveyed for 1983. The estimating procedure involved averaging the data reported by small employers for the 1980, 1981, and 1982 surveys.

[2] Totals for divisions and 2- and 3-digit SIC codes include data for industries not shown separately.

[3] *Standard Industrial Classification Manual*, 1972 Edition, 1977 *Supplement*.

[4] Employment is expressed as an annual average and is derived primarily from the BLS-State Current Employment Statistics program. Annual average employment for the agriculture, forestry, and fishing division is a composite of employment data for agricultural production (SIC's 01 and 02) from the Annual Survey of Occupational Injuries and Illnesses and employment data for agricultural services (SIC 07); forestry (SIC 08); and fishing, hunting, and trapping (SIC 09) from State unemployment insurance programs.

[5] Incidence rates represent the number of injuries and illnesses per 100 full-time workers and were calculated as: (N/EH) X 200,000 where,

N = number of injuries and illnesses or lost workdays

EH = total hours worked by all employees during the calendar year

200,000 = base for 100 full-time workers (working 40 hours per week, 50 weeks per year).

[6] Includes fatalities. Because of rounding, the difference between the total and the sum of the rates for lost workday cases and nonfatal cases without lost workdays may not reflect the fatality rate.

[7] Excludes farms with fewer than 11 employees.

[8] Data conforming to OSHA definitions for coal and lignite mining (SIC 11 and 12) and metal and nonmetal mining (SIC 10 and 14), and railroads (SIC 40) were provided by the Mine Safety and Health Administration, U.S. Department of Labor, and by the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries.

n.a. = data not available.
n.e.c. = not elsewhere classified.

NOTE: Dashes indicate that data do not meet publication guidelines. Because of rounding, the components may not add to totals.

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Table 2. Number of occupational injuries and illnesses and lost workdays by industry division, 1982 and 1983 [1] (In thousands)

Industry division	Total cases [2]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
	1982	1983	1982	1983	1982	1983	1982	1983
Injuries and illnesses								
Private sector [3]	4,856.4	4,854.1	2,182.4	2,182.7	2,668.6	2,667.6	36,875.1	37,201.4
Agriculture, forestry, and fishing [3]	87.0	88.0	43.1	45.1	43.6	42.8	632.8	668.8
Mining [4]	110.6	78.9	57.5	42.2	52.6	36.5	1,450.7	1,178.9
Construction	478.9	494.6	197.8	210.0	280.3	283.9	3,786.2	3,944.9
Manufacturing	1,813.7	1,772.8	783.7	763.7	1,029.2	1,008.2	13,293.2	12,983.0
Durable goods	1,118.8	1,078.0	473.1	450.8	645.1	626.6	8,005.0	7,643.1
Nondurable goods	694.9	694.8	310.5	312.9	384.0	381.6	5,288.2	5,339.9
Transportation and public utilities	403.9	379.1	232.7	217.9	169.6	160.5	4,595.0	4,395.4
Wholesale and retail trade	1,156.3	1,186.4	492.6	506.0	662.8	679.9	7,329.7	7,873.5
Wholesale trade	353.9	346.2	168.1	160.4	185.3	185.6	2,578.7	2,496.1
Retail trade	802.5	840.2	324.5	345.6	477.5	494.3	4,751.0	5,377.4
Finance, insurance, and real estate	95.2	95.3	41.8	42.0	53.3	53.1	627.6	622.6
Services	710.8	759.1	333.1	355.9	377.3	402.8	5,160.0	5,534.4
Injuries								
Private sector [3]	4,750.8	4,748.0	2,141.3	2,140.3	2,604.5	2,604.5	36,114.1	36,373.5
Agriculture, forestry, and fishing [3]	83.3	84.6	42.0	44.1	41.1	40.3	619.6	659.2
Mining [4]	109.2	77.9	57.1	41.7	51.7	36.0	1,444.5	1,170.0
Construction	473.5	489.2	195.8	207.9	277.0	280.7	3,750.5	3,913.1
Manufacturing	1,754.4	1,712.9	760.1	738.6	993.5	973.6	12,831.4	12,440.0
Durable goods	1,082.1	1,042.0	459.9	436.5	621.7	605.1	7,739.8	7,323.9
Nondurable goods	672.3	670.9	300.3	302.1	371.7	368.6	5,091.6	5,116.1
Transportation and public utilities	398.1	374.0	230.0	215.7	166.6	157.7	4,551.5	4,369.5
Wholesale and retail trade	1,146.2	1,177.1	488.8	502.5	656.5	674.1	7,254.0	7,806.8
Wholesale trade	350.4	342.5	166.7	159.0	183.2	183.3	2,555.6	2,472.8
Retail trade	795.8	834.6	322.1	343.5	473.2	490.8	4,698.4	5,334.0
Finance, insurance, and real estate	93.7	93.6	41.1	41.2	52.5	52.3	609.7	603.6
Services	692.4	738.6	326.3	348.5	365.8	389.8	5,052.7	5,411.3
Illnesses								
Private sector [3]	105.6	106.1	41.2	42.4	64.1	63.1	761.1	827.9
Agriculture, forestry, and fishing [3]	3.7	3.5	1.1	1.0	2.5	2.5	13.2	9.6
Mining [4]	1.4	1.0	.4	.5	.9	.5	6.2	8.9
Construction	5.4	5.4	2.0	2.0	3.3	3.2	35.7	31.8
Manufacturing	59.3	59.8	23.5	25.2	35.7	34.6	461.7	543.0
Durable goods	36.7	36.0	13.3	14.4	23.4	21.5	265.2	319.3
Nondurable goods	22.6	23.9	10.2	10.8	12.3	13.0	196.5	223.8
Transportation and public utilities	5.8	5.0	2.7	2.1	3.1	2.8	43.4	25.8
Wholesale and retail trade	10.2	9.3	3.8	3.5	6.3	5.8	75.7	66.7
Wholesale trade	3.5	3.7	1.4	1.4	2.0	2.3	23.1	23.3
Retail trade	6.7	5.6	2.4	2.1	4.3	3.4	52.6	43.4
Finance, insurance, and real estate	1.5	1.6	.7	.8	.8	.8	17.9	19.0
Services	18.4	20.5	6.8	7.3	11.5	13.0	107.3	123.1

[1] To maintain comparability with the rest of the series, a statistical method was used for generating the estimates to represent the small nonfarm employers in low-risk industries who were not surveyed for 1983. The estimating procedure involved averaging the data reported by small employers for the 1980, 1981, and 1982 surveys.

[2] Includes fatalities.

[3] Excludes farms with fewer than 11 employees.

[4] Excludes independent mining contractors.

NOTE: Because of rounding, components may not add to totals, and the difference between the total and the sum of the lost workday cases and nonfatal cases without lost workdays may not equal the fatality estimate.

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Table 3. Occupational injury incidence rates by industry, 1982 and 1983 [1]

Industry [2]	SIC code [3]	Incidence rates per 100 full-time workers [4]							
		Total cases [5]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1982	1983	1982	1983	1982	1983	1982	1983
Private sector [6]		7.6	7.5	3.4	3.4	4.1	4.1	57.5	57.2
Agriculture, forestry, and fishing [6]		11.3	11.5	5.7	6.0	5.6	5.5	84.2	89.5
Agricultural production [6]	01-02	12.7	13.1	6.4	6.8	6.3	6.3	89.6	99.6
Agricultural services	0700	9.6	9.6	4.9	5.0	4.7	4.6	75.1	76.4
Forestry	0800	10.1	9.8	5.3	5.5	4.8	4.4	101.8	96.0
Fishing, hunting, and trapping	0900	5.1	4.8	3.2	2.9	1.9	1.6	96.9	72.1
Mining [7]		10.3	8.3	5.4	4.4	4.9	3.8	136.7	124.1
Metal mining [7]	1000	6.1	5.9	3.5	3.4	2.5	2.5	103.8	89.9
Anthracite mining [7]	1100	9.1	6.7	7.9	6.1	1.2	.5	456.4	470.4
Bituminous coal and lignite mining [7]	1200	8.3	7.0	6.7	5.5	1.5	1.5	199.9	187.1
Oil and gas extraction	1300	12.0	9.6	5.5	4.6	6.5	5.1	126.9	119.7
Crude petroleum and natural gas	1310	4.3	3.4	1.8	1.4	2.5	2.0	38.5	34.4
Oil and gas field services	1380	16.7	14.2	7.7	6.8	8.9	7.3	180.5	182.1
Nonmetallic minerals, except fuels [7]	1400	3.8	3.9	2.4	2.6	1.3	1.2	71.4	65.5
Construction		14.5	14.7	6.0	6.2	8.5	8.4	114.6	117.3
General building contractors	1500	14.0	14.2	5.9	6.1	8.1	8.1	110.9	112.0
Residential building construction	1520	10.7	11.7	5.1	5.7	5.5	6.0	100.0	105.2
Operative builders	1530	10.0	9.6	4.5	4.2	5.5	5.3	88.1	67.4
Nonresidential building construction	1540	16.9	17.2	6.6	6.7	10.3	10.4	121.7	124.1
Heavy construction contractors	1600	14.9	15.2	5.8	6.1	9.1	9.1	112.2	121.7
Highway and street construction	1610	13.2	14.1	5.5	5.8	7.7	8.3	115.9	108.4
Heavy construction, except highway	1620	15.5	15.7	5.9	6.2	9.6	9.4	111.1	127.0
Special trade contractors	1700	14.5	14.6	6.1	6.3	8.4	8.3	117.5	118.0
Plumbing, heating, air conditioning	1710	15.1	15.5	5.5	5.8	9.6	9.7	97.3	99.8
Painting, paper hanging, decorating	1720	8.6	9.1	4.6	4.9	4.0	4.2	116.1	123.7
Electrical work	1730	13.8	13.6	5.0	5.2	8.8	8.4	85.6	84.7
Masonry, stonework, and plastering	1740	14.9	15.6	6.7	7.1	8.1	8.5	118.9	123.8
Carpentering and flooring	1750	13.1	13.0	6.3	7.0	6.8	6.0	123.0	130.9
Roofing and sheet metal work	1760	18.9	18.5	10.2	10.2	8.6	8.2	220.3	222.3
Concrete work	1770	11.3	13.9	5.9	6.9	5.4	7.0	128.1	128.6
Water well drilling	1780	12.6	11.2	6.3	5.7	6.3	5.5	129.4	97.5
Miscellaneous special trade contractors	1790	15.7	14.9	6.9	6.4	8.8	8.4	138.0	127.3
Manufacturing		9.9	9.7	4.3	4.2	5.6	5.5	72.4	70.4
Durable goods		10.3	10.0	4.4	4.2	5.9	5.8	73.5	70.3
Lumber and wood products	2400	16.6	18.1	8.2	9.1	8.5	9.0	151.3	161.4
Logging camps and logging contractors	2410	20.1	21.2	12.9	13.6	7.1	7.5	302.8	319.4
Sawmills and planing mills	2420	15.8	16.8	8.2	8.7	7.6	8.0	161.3	166.7
Sawmills and planing mills, general	2421	15.9	16.5	8.4	8.8	7.5	7.8	169.5	171.2
Hardwood dimension and flooring	2426	14.6	16.9	6.3	7.5	8.3	9.3	100.5	128.2
Millwork, plywood and structural members	2430	15.1	16.9	6.8	7.8	8.3	9.0	110.8	122.0
Millwork	2431	16.5	18.9	6.8	8.2	9.6	10.8	102.4	127.8
Wood kitchen cabinets	2434	14.3	15.2	6.0	7.2	8.2	8.1	90.7	98.9
Hardwood veneer and plywood	2435	14.6	15.8	7.1	6.7	7.4	9.1	121.0	102.6
Softwood veneer and plywood	2436	10.2	10.7	5.6	5.8	4.7	4.9	121.8	122.0
Structural wood memebers, n.e.c	2439	24.7	28.4	11.7	14.7	13.0	13.7	167.0	192.0
Wood containers	2440	15.0	16.3	7.3	8.2	7.7	8.1	111.3	135.6
Nailed wood boxes and shook	2441	14.2	16.0	6.6	7.6	7.5	8.4	118.2	142.9
Wood pallets and skids	2448	16.0	17.9	8.1	9.1	7.8	8.8	124.9	143.9
Wood containers, n.e.c	2449	13.4	12.3	6.0	6.3	7.4	6.1	75.6	110.2

See footnotes at end of table.

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Table 3. Occupational injury incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	Incidence rates per 100 full-time workers [4]							
		Total cases [5]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1982	1983	1982	1983	1982	1983	1982	1983
Wood buildings and mobile homes	2450	24.8	27.3	10.1	12.4	14.6	14.9	147.3	174.3
Mobile homes	2451	26.9	29.3	10.7	13.4	16.2	15.9	154.2	188.7
Prefabricated wood buildings	2452	19.2	22.1	8.6	9.6	10.6	12.5	128.9	135.2
Miscellaneous wood products	2490	13.5	14.3	6.2	6.7	7.3	7.6	117.2	109.9
Wood preserving	2491	15.6	17.7	7.3	7.4	8.3	10.3	141.7	136.6
Particleboard	2492	9.8	7.1	4.3	3.4	5.5	3.8	69.2	84.7
Wood products, n.e.c	2499	13.5	14.4	6.1	6.9	7.3	7.5	117.3	107.0
Furniture and fixtures	2500	13.6	13.8	5.4	5.6	8.3	8.2	83.0	80.2
Household furniture	2510	12.5	13.0	4.8	5.2	7.7	7.8	75.9	74.6
Wood household furniture	2511	12.1	13.1	4.6	5.0	7.6	8.1	70.2	71.0
Upholstered household furniture	2512	11.5	11.8	4.5	4.7	7.0	7.1	73.4	63.5
Metal household furniture	2514	15.0	15.1	5.4	5.7	9.6	9.4	76.8	81.3
Mattresses and bedsprings	2515	14.1	15.3	5.8	7.2	8.3	8.1	106.9	112.7
Wood TV and radio cabinets	2517	12.3	10.3	5.8	4.9	6.5	5.4	61.9	66.4
Household furniture, n.e.c	2519	-	12.0	-	6.0	-	6.1	-	107.1
Office furniture	2520	15.1	15.2	6.7	6.8	8.3	8.4	96.5	97.1
Wood office furniture	2521	14.1	13.4	6.6	6.3	7.5	7.1	95.8	94.3
Metal office furniture	2522	15.9	16.7	6.8	7.2	9.1	9.5	97.0	99.3
Public building and related furniture	2530	16.2	14.7	6.0	5.2	10.2	9.6	97.6	86.6
Partitions and fixtures	2540	16.6	15.7	6.3	6.5	10.4	9.2	99.4	88.3
Wood partitions and fixtures	2541	15.2	15.3	5.9	6.6	9.3	8.7	102.0	87.1
Metal partitions and fixtures	2542	18.2	16.2	6.6	6.4	11.5	9.8	96.5	89.6
Miscellaneous furniture and fixtures	2590	13.3	13.8	5.5	5.2	7.8	8.5	76.9	78.7
Drapery hardware and blinds and shades	2591	12.6	12.8	5.2	4.9	7.3	7.9	58.9	75.0
Furniture and fixtures, n.e.c	2599	14.2	15.1	5.9	5.7	8.3	9.4	100.0	83.6
Stone, clay, and glass products	3200	12.6	12.8	6.0	5.9	6.6	6.9	109.9	109.4
Flat glass	3210	15.3	14.4	4.4	4.4	10.9	9.9	75.0	82.8
Glass and glassware, pressed or blown	3220	12.1	11.6	6.4	5.7	5.7	5.9	117.6	109.9
Glass containers	3221	13.4	12.8	7.9	6.7	5.5	6.1	142.8	132.4
Pressed and blown glass, n.e.c	3229	10.5	10.1	4.6	4.4	5.9	5.7	84.8	83.1
Products of purchased glass	3230	15.0	15.4	6.0	6.0	9.0	9.5	101.8	95.0
Structural clay products	3250	14.0	15.8	6.2	7.0	7.8	8.8	113.7	126.3
Brick and structural clay tile	3251	16.3	19.3	7.3	8.6	9.0	10.7	138.0	126.7
Ceramic wall and floor tile	3253	13.6	14.4	5.2	5.7	8.4	8.8	79.1	119.9
Clay refractories	3255	10.4	9.1	4.8	4.4	5.7	4.7	102.2	95.1
Structural clay products, n.e.c	3259	15.9	19.0	9.0	9.6	6.9	9.3	142.0	229.6
Pottery and related products	3260	12.3	12.0	6.5	6.4	5.7	5.6	125.0	115.8
Vitreous plumbing fixtures	3261	19.3	19.0	12.8	12.5	6.5	6.5	226.6	242.2
Vitreous china food utensils	3262	11.9	12.4	5.8	6.6	6.1	5.8	145.4	146.9
Fine earthenware food utensils	3263	6.9	7.0	4.0	3.9	2.9	3.1	90.6	72.7
Porcelain electrical supplies	3264	10.3	10.2	5.4	4.6	4.9	5.7	108.7	79.5
Pottery products, n.e.c	3269	10.5	9.0	3.8	3.7	6.6	5.4	59.8	42.7
Concrete, gypsum, and plaster products	3270	14.2	14.6	6.5	6.8	7.6	7.8	117.2	123.1
Concrete block and brick	3271	14.0	18.0	6.5	8.0	7.4	10.0	117.3	124.4
Concrete products, n.e.c	3272	18.4	18.5	8.8	8.6	9.6	9.8	145.4	155.1
Ready-mixed concrete	3273	13.1	13.1	5.9	6.3	7.1	6.8	109.6	117.7
Gypsum products	3275	5.0	5.1	1.6	1.5	3.3	3.5	42.8	34.2
Cut stone and stone products	3280	12.3	12.4	6.3	6.1	5.9	6.3	103.5	103.5
Miscellaneous nonmetallic mineral products	3290	10.3	10.2	5.3	5.0	5.0	5.2	102.3	95.2

See footnotes at end of table.

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Table 3. Occupational injury incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	Incidence rates per 100 full-time workers [4]							
		Total cases [5]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1982	1983	1982	1983	1982	1983	1982	1983
Abrasive products	3291	11.0	11.0	6.1	5.2	4.9	5.7	109.7	100.1
Asbestos products	3292	13.0	12.1	7.4	6.7	5.6	5.4	142.1	110.8
Gaskets, packing and sealing devices	3293	10.6	10.2	4.9	4.3	5.8	6.0	80.4	64.3
Mineral wool	3296	8.0	7.3	4.2	4.0	3.8	3.3	84.5	75.5
Nonclay refractories	3297	10.8	13.2	5.9	7.0	4.9	6.2	156.2	221.2
Nonmetallic mineral products, n.e.c.	3299	-	10.9	-	6.3	-	4.6	-	98.0
Primary metal industries	3300	12.1	12.1	5.3	5.3	6.8	6.7	99.8	101.2
Blast furnace and basic steel products	3310	9.7	9.7	3.4	3.7	6.2	6.0	76.7	85.8
Blast furnaces and steel mills	3312	8.0	8.3	2.5	3.0	5.5	5.3	62.5	75.1
Electrometallurgical products	3313	8.1	9.1	3.7	4.0	4.3	5.0	99.5	118.4
Steel wire and related products	3315	15.8	14.9	7.3	6.8	8.5	8.1	120.0	110.5
Cold finishing of steel shapes	3316	20.1	18.6	8.2	7.0	11.8	11.6	156.8	158.9
Steel pipe and tubes	3317	19.8	17.9	9.1	8.1	10.7	9.8	159.7	137.1
Iron and steel foundries	3320	16.6	16.4	7.4	7.1	9.2	9.3	128.2	117.4
Gray iron foundries	3321	16.2	17.1	7.3	7.4	9.0	9.6	126.4	122.9
Malleable iron foundries	3322	14.5	14.3	5.9	6.1	8.6	8.2	123.6	95.1
Steel investment foundries	3324	15.0	12.5	6.0	5.5	9.0	6.9	88.7	68.8
Steel foundries, n.e.c	3325	18.6	16.8	8.5	6.9	10.1	10.0	146.3	128.1
Primary nonferrous metals	3330	9.1	8.5	4.8	4.4	4.3	4.2	103.7	82.9
Primary copper	3331	8.9	8.5	4.1	4.4	4.8	4.1	111.4	103.3
Primary lead	3332	10.8	10.6	6.2	5.2	4.6	5.4	99.5	95.2
Primary zinc	3333	11.4	10.5	6.7	5.3	4.8	5.2	216.2	108.0
Primary aluminum	3334	9.0	8.2	4.9	4.1	4.1	4.1	93.1	72.6
Primary nonferrous metals, n.e.c	3339	8.3	8.3	4.3	4.6	4.0	3.7	91.8	78.8
Secondary nonferrous metals	3340	18.3	16.5	10.1	9.0	8.2	7.5	180.1	155.3
Nonferrous rolling and drawing	3350	11.2	11.4	5.4	5.7	5.8	5.7	97.3	103.7
Copper rolling and drawing	3351	12.5	13.2	6.1	6.8	6.4	6.4	112.2	120.8
Aluminum sheet, plate, and foil	3353	6.6	6.7	2.6	2.6	3.9	4.1	52.1	60.2
Aluminum extruded products	3354	11.4	12.2	5.2	5.6	6.2	6.5	92.9	94.9
Aluminum rolling and drawing, n.e.c	3355	8.2	8.2	3.9	4.0	4.3	4.2	68.0	58.3
Nonferrous rolling and drawing, n.e.c	3356	10.9	10.2	5.1	5.0	5.8	5.2	92.2	94.0
Nonferrous wire drawing and insulating	3357	12.9	13.0	6.6	7.0	6.3	6.0	114.9	124.7
Nonferrous foundries	3360	16.5	16.3	7.7	7.6	8.8	8.7	124.3	128.8
Aluminum foundries	3361	16.8	15.8	7.7	7.2	9.1	8.6	115.7	124.8
Brass, bronze, and copper foundries	3362	17.1	18.5	8.5	9.0	8.6	9.5	170.1	146.0
Nonferrous foundries, n.e.c	3369	15.1	16.0	7.1	7.6	8.0	8.4	107.8	126.7
Miscellaneous primary metal products	3390	15.4	15.5	7.9	7.1	7.5	8.3	146.8	109.9
Metal heat treating	3398	15.3	16.2	7.9	8.1	7.4	8.1	132.7	112.9
Primary metal products, n.e.c	3399	15.6	14.7	8.0	6.1	7.6	8.6	165.4	106.7
Fabricated metal products	3400	14.9	14.6	6.2	5.9	8.7	8.7	99.9	92.4
Metal cans and shipping containers	3410	16.1	15.3	6.5	6.0	9.6	9.3	120.6	109.4
Metal cans	3411	15.5	14.7	6.1	5.7	9.4	9.0	111.0	104.8
Metal barrels, drums, and pails	3412	19.0	17.8	8.2	7.4	10.8	10.4	164.4	129.1
Cutlery, hand tools, and hardware	3420	12.2	12.4	5.2	4.8	7.0	7.6	86.1	84.9
Cutlery	3421	10.1	12.4	4.1	4.7	6.0	7.7	61.0	88.1
Hand and edge tools, n.e.c	3423	13.7	13.5	6.2	5.0	7.5	8.5	106.6	89.3
Hand saws and saw blades	3425	10.4	11.1	5.3	4.7	5.1	6.4	101.8	79.2
Hardware, n.e.c	3429	12.0	12.0	4.9	4.7	7.1	7.3	79.1	82.9
Plumbing and heating, except electric	3430	15.3	14.6	6.5	6.5	8.8	8.2	98.4	97.4
Metal sanitary ware	3431	19.0	16.2	9.0	7.5	10.0	8.7	128.2	104.8

See footnotes at end of table.

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Table 3. Occupational injury incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	Incidence rates per 100 full-time workers [4]							
		Total cases [5]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1982	1983	1982	1983	1982	1983	1982	1983
Plumbing fittings and brass goods	3432	11.8	11.1	5.0	5.4	6.8	5.7	93.5	98.7
Heating equipment, except electric	3433	16.8	17.2	6.9	7.1	9.9	10.1	92.8	93.7
Fabricated structural metal products	3440	17.8	17.6	7.4	7.1	10.4	10.5	117.1	105.7
Fabricated structural metal	3441	21.2	21.1	9.8	9.4	11.3	11.7	163.6	136.0
Metal doors, sash, and trim	3442	16.7	18.6	5.9	7.1	10.8	11.5	88.0	104.4
Fabricated plate work	3443	16.1	14.8	6.9	6.0	9.2	8.8	108.4	93.8
Sheet metal work	3444	17.9	17.8	6.9	6.8	11.0	11.0	106.2	99.2
Architectural metal work	3446	17.7	18.7	8.2	7.3	9.5	11.4	132.5	112.9
Prefabricated metal buildings	3448	16.5	13.5	6.6	5.0	9.9	8.5	113.5	78.0
Miscellaneous metal work	3449	18.8	17.1	7.3	7.0	11.4	10.1	95.7	127.4
Screw machine products, bolts, etc.	3450	13.2	13.1	4.8	4.4	8.4	8.7	79.9	65.7
Screw machine products	3451	13.1	12.9	4.4	3.9	8.7	9.0	66.4	51.0
Bolts, nuts, rivets, and washers	3452	13.2	13.3	5.0	4.9	8.2	8.4	91.4	78.2
Metal forgings and stampings	3460	13.3	13.8	5.6	5.6	7.7	8.2	94.5	91.0
Iron and steel forgings	3462	16.8	17.0	8.0	8.0	8.8	9.0	155.5	138.2
Nonferrous forgings	3463	17.2	13.5	9.2	5.9	8.0	7.5	167.4	85.9
Automotive stampings	3465	9.8	11.3	4.1	4.6	5.8	6.7	66.9	67.3
Crowns and closures	3466	12.3	11.9	5.3	5.6	6.9	6.2	85.5	91.8
Metal stampings, n.e.c	3469	14.6	15.2	5.7	5.7	8.9	9.5	90.3	98.8
Metal services, n.e.c	3470	14.2	13.7	6.1	6.0	8.1	7.7	90.1	89.8
Plating and polishing	3471	14.2	14.3	6.2	6.2	7.9	8.1	90.0	93.2
Metal coating and allied services	3479	14.4	12.5	6.0	5.5	8.5	7.0	90.2	82.2
Ordnance and accessories, n.e.c	3480	8.2	7.1	4.0	3.4	4.2	3.8	61.7	56.7
Small arms ammunition	3482	5.7	4.9	2.6	2.3	3.1	2.6	55.1	46.0
Ammunition, except for small arms, n.e.c	3483	7.8	7.4	3.8	3.6	4.0	3.8	55.3	60.1
Small arms	3484	13.8	11.3	7.2	5.3	6.6	6.1	106.6	84.8
Ordnance and accessories, n.e.c	3489	3.7	3.6	1.5	1.6	2.2	2.0	23.1	25.2
Miscellaneous fabricated metal products	3490	15.1	13.9	6.3	5.8	8.8	8.1	97.1	88.4
Steel springs, except wire	3493	17.6	16.9	8.6	7.8	9.0	9.0	137.3	125.9
Valves and pipe fittings	3494	15.1	12.4	6.2	5.2	8.9	7.2	91.3	77.9
Wire springs	3495	12.0	12.8	4.2	5.1	7.8	7.8	77.2	89.7
Miscellaneous fabricated wire products	3496	16.8	14.5	6.9	6.0	9.8	8.5	113.1	87.0
Metal foil and leaf	3497	17.2	13.5	8.6	6.4	8.5	7.1	104.4	82.6
Fabricated pipe and fittings	3498	14.8	17.1	7.1	7.4	7.7	9.7	114.2	123.1
Fabricated metal products, n.e.c	3499	13.7	14.6	5.5	5.6	8.2	8.9	78.1	89.0
Machinery, except electrical	3500	10.5	9.5	4.1	3.5	6.4	6.0	64.1	55.9
Engines and turbines	3510	7.8	7.6	3.5	2.7	4.4	4.8	61.6	50.1
Turbines and turbine generator sets	3511	5.2	4.9	2.4	2.2	2.8	2.7	51.3	40.6
Internal combustion engines, n.e.c	3519	-	9.1	-	3.0	-	6.1	-	55.5
Farm and garden machinery	3520	11.1	11.5	4.3	4.4	6.8	7.0	60.6	70.5
Farm machinery and equipment	3523	10.7	10.9	4.1	4.2	6.6	6.6	57.9	69.8
Lawn and garden equipment	3524	13.9	13.7	5.8	5.1	8.1	8.6	78.2	73.4
Construction and related machinery	3530	14.3	12.4	5.9	4.6	8.4	7.8	94.4	74.7
Construction machinery	3531	11.3	11.5	4.5	4.3	6.7	7.2	67.4	68.5
Mining machinery	3532	16.6	12.7	7.2	5.2	9.4	7.5	136.7	96.4
Oil field machinery	3533	16.0	11.8	6.8	4.3	9.2	7.5	112.4	73.4
Elevators and moving stairways	3534	14.7	12.1	5.9	5.1	8.7	7.0	100.7	93.1
Conveyors and conveying equipment	3535	15.5	13.5	6.3	4.6	9.2	9.2	92.4	59.8
Hoists, cranes, and monorails	3536	13.9	13.3	5.4	5.1	8.5	8.8	79.1	77.7
Industrial trucks and tractors	3537	13.1	14.4	4.7	5.4	8.4	9.0	71.4	84.1
Metalworking machinery	3540	11.0	10.5	3.6	3.3	7.4	7.2	57.6	55.4
Machine tools, metal cutting types	3541	11.3	8.8	4.1	2.7	7.3	6.1	65.5	44.3
Machine tools, metal forming types	3542	12.8	10.6	4.9	3.9	7.9	6.8	81.4	62.7

See footnotes at end of table.

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Table 3. Occupational injury incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	Incidence rates per 100 full-time workers [4]							
		Total cases [5]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1982	1983	1982	1983	1982	1983	1982	1983
Special dies, tools, jigs and fixtures	3544	11.0	11.9	3.2	3.7	7.8	8.3	48.4	58.2
Machine tool accessories	3545	10.8	9.7	3.5	3.0	7.2	6.7	53.4	55.5
Power driven hand tools	3546	8.4	6.8	3.0	2.3	5.4	4.6	60.7	44.7
Rolling mill machinery	3547	14.7	12.9	5.4	4.8	9.2	8.1	103.7	86.3
Metalworking machinery, n.e.c	3549	10.5	10.4	3.5	3.5	7.0	6.9	57.1	69.0
Special industry machinery	3550	12.6	12.1	4.7	4.2	7.9	7.8	71.9	67.7
Food products machinery	3551	15.3	14.5	5.8	5.2	9.5	9.3	78.5	79.8
Textile machinery	3552	12.3	12.5	3.7	3.4	8.6	9.0	52.0	51.9
Woodworking machinery	3553	15.3	13.1	5.7	5.3	9.7	7.8	81.6	85.2
Paper industries machinery	3554	14.2	13.4	5.2	4.7	9.0	8.7	86.0	73.7
Printing trades machinery	3555	9.6	9.4	3.4	3.1	6.1	6.2	54.3	52.0
Special industry machinery, n.e.c	3559	12.0	11.4	4.9	4.3	7.1	7.1	80.9	71.2
General industrial machinery	3560	12.0	11.2	4.8	4.2	7.2	7.0	79.0	70.2
Pumps and pumping equipment	3561	12.6	12.3	5.3	4.4	7.3	7.9	90.5	75.3
Ball and roller bearings	3562	9.0	7.8	3.4	2.8	5.6	5.0	64.0	44.5
Air and gas compressors	3563	10.4	9.9	4.2	3.9	6.2	5.9	76.4	73.3
Blowers and fans	3564	12.8	12.7	5.4	5.4	7.4	7.3	80.0	88.0
Industrial patterns	3565	8.5	11.2	2.6	3.7	5.8	7.5	41.1	49.6
Speed changers, drives, and gears	3566	15.3	13.3	5.9	4.5	9.4	8.8	128.6	69.9
Industrial furnaces and ovens	3567	13.7	12.2	5.5	4.6	8.2	7.5	73.3	82.7
Power transmission equipment, n.e.c	3568	12.9	12.2	5.3	5.0	7.6	7.2	79.6	88.0
General industrial machinery, n.e.c	3569	12.6	11.5	4.7	4.0	7.9	7.5	66.0	68.0
Office and computing machines	3570	4.2	3.9	2.0	1.8	2.2	2.1	32.5	27.4
Typewriters	3572	3.2	3.0	1.3	1.2	1.9	1.8	14.7	12.6
Electronic computing equipment	3573	3.8	3.5	1.9	1.6	2.0	1.8	31.7	25.0
Scales and balances, except laboratory	3576	10.3	10.4	3.2	3.3	7.1	7.0	35.3	37.6
Office machines, n.e.c	3579	9.3	7.8	3.8	3.4	5.5	4.3	64.3	51.8
Refrigeration and service machinery	3580	13.7	13.1	5.4	5.0	8.3	8.1	80.0	76.0
Automatic merchandising machines	3581	22.2	19.4	10.9	6.7	11.3	12.7	96.7	105.5
Commercial laundry equipment	3582	18.1	17.5	6.1	5.6	12.0	11.9	112.0	99.9
Refrigeration and heating equipment	3585	12.1	11.6	4.8	4.8	7.3	6.9	79.7	76.8
Measuring and dispensing pumps	3586	14.4	12.7	5.1	4.0	9.3	8.7	66.6	41.5
Service industry machinery, n.e.c	3589	15.9	16.2	5.8	5.3	10.1	10.9	74.5	66.9
Miscellaneous machinery, except electrical	3590	12.2	11.5	4.5	4.1	7.6	7.4	63.2	55.9
Carburetors, pistons, rings, valves	3592	7.2	7.5	3.1	3.0	4.2	4.4	51.8	48.8
Machinery, except electrical, n.e.c	3599	12.9	12.1	4.8	4.2	8.1	7.9	64.9	57.1
Electric and electronic equipment	3600	6.2	6.0	2.5	2.4	3.6	3.6	38.5	36.9
Electric distributing equipment	3610	9.1	8.2	3.3	3.1	5.8	5.1	55.1	51.8
Transformers	3612	9.4	8.9	3.5	3.3	5.9	5.6	58.8	50.2
Switchgear and switchboard apparatus	3613	8.8	7.5	3.1	2.9	5.7	4.7	52.1	53.1
Electrical industrial apparatus	3620	7.4	7.4	3.2	2.6	4.2	4.7	52.1	44.5
Motors and generators	3621	8.0	8.2	3.6	2.9	4.4	5.3	54.6	47.6
Industrial controls	3622	5.5	5.3	2.2	1.8	3.3	3.5	36.3	32.8
Welding apparatus, electric	3623	13.4	11.5	4.9	3.9	8.4	7.6	67.0	66.8
Carbon and graphite products	3624	6.7	6.8	3.6	3.0	3.1	3.8	103.7	59.6
Electrical industrial apparatus, n.e.c	3629	5.9	6.5	2.8	2.8	3.2	3.8	40.0	38.3
Household appliances	3630	10.8	10.7	4.1	3.9	6.7	6.8	65.1	60.5
Household cooking equipment	3631	15.6	14.3	5.0	4.7	10.6	9.6	65.9	70.3
Household refrigerators and freezers	3632	8.3	8.7	3.5	3.4	4.7	5.3	57.1	50.6
Household laundry equipment	3633	11.2	11.0	3.8	3.7	7.4	7.4	75.3	55.4
Electric housewares and fans	3634	9.9	9.3	3.7	3.4	6.3	5.9	61.9	51.4

See footnotes at end of table.

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Table 3. Occupational injury incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	Incidence rates per 100 full-time workers [4]							
		Total cases [5]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1982	1983	1982	1983	1982	1983	1982	1983
Household vacuum cleaners	3635	7.6	7.2	3.3	2.6	4.3	4.6	61.1	73.2
Sewing machines	3636	-	7.3	-	2.5	-	4.8	-	38.6
Household appliances, n.e.c	3639	16.3	15.1	7.3	6.8	8.9	8.3	101.2	93.1
Electric lighting and wiring equipment	3640	9.0	8.3	3.5	3.3	5.5	5.0	59.1	53.2
Electric lamps	3641	4.9	3.9	2.0	1.5	2.9	2.3	32.7	31.2
Current-carrying wiring devices	3643	7.4	7.2	3.0	2.9	4.5	4.3	54.9	46.1
Noncurrent-carrying wiring devices	3644	15.9	12.1	7.0	5.5	8.9	6.6	99.4	96.1
Residential lighting fixtures	3645	11.3	11.5	3.8	4.2	7.5	7.3	58.9	67.7
Commercial lighting fixtures	3646	15.0	12.4	5.5	4.5	9.5	8.0	96.9	70.3
Vehicular lighting equipment	3647	5.8	4.9	2.0	2.1	3.9	2.7	34.6	35.4
Lighting equipment, n.e.c	3648	10.9	12.7	4.4	4.1	6.5	8.6	71.4	58.1
Radio and TV receiving equipment	3650	5.6	5.8	2.3	2.4	3.2	3.4	34.2	37.8
Radio and TV receiving sets	3651	5.5	5.7	2.3	2.3	3.2	3.4	32.5	36.8
Phonograph records	3652	5.9	6.2	2.5	3.1	3.4	3.2	40.1	41.1
Communication equipment	3660	3.8	3.8	1.6	1.6	2.3	2.2	24.3	26.6
Telephone and telegraph apparatus	3661	4.4	4.4	2.0	1.9	2.4	2.5	32.8	37.9
Radio and TV communication equipment	3662	3.6	3.6	1.4	1.5	2.2	2.1	21.5	23.3
Electronic components and accessories	3670	5.4	5.3	2.2	2.2	3.1	3.2	29.3	28.3
Electron tubes, receiving type	3671	-	2.9	-	1.7	-	1.2	-	29.9
Cathode ray television picture tubes	3672	10.3	9.1	6.7	5.7	3.6	3.4	89.4	80.8
Electron tubes, transmitting	3673	6.3	5.2	2.1	2.1	4.2	3.0	28.5	32.6
Semiconductors and related devices	3674	3.4	4.0	1.6	1.7	1.8	2.3	21.9	22.1
Electronic capacitors	3675	5.9	5.3	2.4	2.0	3.6	3.2	26.5	28.0
Electronic resistors	3676	6.4	5.6	3.1	2.3	3.3	3.3	57.0	27.2
Electronic coils and transformers	3677	7.9	7.5	2.9	2.7	5.0	4.8	46.2	35.1
Electronic connectors	3678	8.6	7.1	2.8	2.4	5.8	4.8	45.6	40.4
Electronic components, n.e.c	3679	6.6	6.3	2.5	2.4	4.2	3.9	30.5	30.3
Miscellaneous electrical equipment and supplies	3690	6.6	6.2	3.1	2.8	3.5	3.4	48.0	44.5
Storage batteries	3691	11.9	10.1	6.5	5.3	5.4	4.8	100.4	78.6
X-ray apparatus and tubes	3693	4.6	4.0	1.9	1.6	2.7	2.3	24.9	20.4
Engine electrical equipment	3694	5.0	5.2	2.2	2.2	2.8	3.0	35.2	39.2
Electrical equipment and supplies, n.e.c	3699	9.3	9.8	4.6	4.5	4.7	5.4	62.2	70.0
Transportation equipment	3700	8.8	8.0	3.9	3.5	4.8	4.6	70.1	62.0
Motor vehicles and equipment	3710	8.2	8.3	3.4	3.5	4.8	4.9	55.4	55.4
Motor vehicles and car bodies	3711	5.1	5.8	2.0	2.5	3.0	3.3	27.3	38.0
Truck and bus bodies	3713	20.1	18.7	8.1	6.4	12.0	12.4	116.5	88.1
Motor vehicle parts and accessories	3714	9.1	8.8	3.9	3.7	5.2	5.0	72.2	65.0
Truck trailers	3715	18.0	18.1	8.2	7.9	9.8	10.2	111.2	99.3
Self-contained motor homes	3716	18.6	24.8	5.9	10.3	12.6	14.5	67.0	127.2
Aircraft and parts	3720	5.7	5.0	2.3	1.9	3.4	3.0	35.8	33.0
Aircraft	3721	4.6	3.8	1.7	1.4	3.0	2.4	28.6	24.6
Aircraft engines and engine parts	3724	6.3	4.6	3.2	2.5	3.1	2.1	49.7	45.6
Aircraft equipment, n.e.c	3728	7.6	8.0	2.7	2.6	4.9	5.4	38.0	39.0
Ship and boat building and repairing	3730	22.1	19.2	11.3	9.2	10.8	10.1	244.3	204.4
Ship building and repairing	3731	22.9	19.1	11.9	9.3	11.0	9.8	266.1	229.1
Boat building and repairing	3732	18.4	19.7	8.4	8.8	10.0	10.9	144.4	115.6
Railroad equipment	3740	14.1	10.7	8.1	5.3	6.0	5.4	137.1	101.1
Motorcycles, bicycles, and parts	3750	13.5	12.2	5.2	4.8	8.3	7.3	82.0	110.6
Guided missiles, space vehicles, parts	3760	2.6	2.3	1.1	1.1	1.4	1.2	18.8	19.4
Guided missiles and space vehicles	3761	2.0	2.1	.9	1.1	1.1	1.0	16.0	19.4
Space propulsion units and parts	3764	3.6	2.8	1.9	1.3	1.8	1.5	28.0	19.5

See footnotes at end of table.

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Table 3. Occupational injury incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	Incidence rates per 100 full-time workers [4]							
		Total cases [5]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1982	1983	1982	1983	1982	1983	1982	1983
Space vehicle equipment, n.e.c	3769	5.3	3.1	1.6	1.0	3.7	2.0	26.7	19.7
Miscellaneous transportation equipment	3790	12.7	13.6	5.5	5.9	7.1	7.7	59.0	76.3
Travel trailers and campers	3792	20.1	21.5	7.5	8.6	12.6	12.9	85.0	106.9
Tanks and tank components	3795	5.4	5.1	3.3	3.0	2.1	2.2	32.1	45.7
Transportation equipment, n.e.c	3799	-	14.3	-	6.2	-	8.1	-	73.8
Instruments and related products	3800	5.3	4.9	2.2	2.0	3.1	2.9	34.3	32.7
Engineering and scientific instruments	3810	5.1	4.4	1.9	1.5	3.2	2.9	23.5	23.2
Measuring and controlling devices	3820	5.2	4.9	2.2	2.0	3.0	2.9	33.9	31.1
Environmental controls	3822	5.6	5.0	2.6	2.0	3.0	3.1	47.8	26.5
Process control instruments	3823	5.2	4.5	2.3	1.9	2.8	2.6	34.3	32.6
Fluid meters and counting devices	3824	6.4	6.3	2.9	2.8	3.6	3.5	46.7	54.1
Instruments to measure electricity	3825	4.5	4.2	1.9	1.8	2.6	2.4	26.1	29.6
Measuring and controlling devices, n.e.c	3829	6.3	7.5	1.9	2.6	4.4	4.9	32.2	28.1
Optical instruments and lenses	3830	5.3	4.8	2.4	2.1	2.9	2.7	32.2	26.1
Medical instruments and supplies	3840	5.8	5.4	2.3	2.2	3.5	3.2	36.8	38.4
Surgical and medical instruments	3841	4.9	4.5	1.9	1.9	3.0	2.6	31.1	32.2
Surgical appliances and supplies	3842	6.7	6.1	2.7	2.5	4.0	3.6	42.8	47.5
Dental equipment and supplies	3843	6.4	6.6	2.4	2.1	4.0	4.6	38.5	29.8
Ophthalmic goods	3850	4.9	4.4	2.2	2.0	2.8	2.4	33.4	33.0
Photographic equipment and supplies	3860	4.9	4.8	2.0	2.1	2.9	2.8	36.4	34.3
Miscellaneous manufacturing industries	3900	9.5	9.5	4.0	3.8	5.5	5.7	67.0	63.6
Jewelry, silverware, and plated ware	3910	4.9	5.4	2.1	2.4	2.8	3.0	36.8	42.6
Silverware and plated ware	3914	9.5	10.3	5.2	5.8	4.3	4.5	108.2	110.5
Jewelers' materials and lapidary work	3915	-	6.2	-	2.9	-	3.3	-	59.0
Musical instruments	3930	9.4	7.9	3.0	2.8	6.4	5.1	54.1	51.8
Toys and sporting goods	3940	10.3	10.6	4.4	4.3	5.9	6.3	69.9	71.6
Games, toys, and children's vehicles	3944	8.3	8.2	3.9	3.6	4.4	4.6	64.2	73.7
Sporting and athletic goods, n.e.c	3949	12.9	13.5	5.3	5.1	7.6	8.4	81.0	73.8
Pens, pencils, office and art supplies	3950	8.7	8.4	3.7	3.5	5.0	4.9	70.7	50.7
Pens and mechanical pencils	3951	7.2	7.8	3.4	2.8	3.8	5.0	66.4	46.4
Lead pencils and art goods	3952	10.9	9.8	4.6	4.4	6.4	5.4	79.8	64.3
Marking devices	3953	-	5.8	-	1.5	-	4.3	-	29.8
Carbon paper and inked ribbons	3955	13.2	11.6	6.4	6.5	6.8	5.1	123.9	71.9
Costume jewelry and notions	3960	7.7	7.6	3.1	3.3	4.7	4.3	55.1	65.0
Costume jewelry	3961	5.3	6.0	1.9	2.4	3.4	3.6	34.4	57.8
Miscellaneous manufactures	3990	11.6	11.4	4.8	4.4	6.7	6.9	82.2	70.0
Brooms and brushes	3991	11.2	11.6	4.9	4.8	6.3	6.8	73.8	79.6
Signs and advertising displays	3993	13.2	12.6	5.2	4.7	7.9	7.9	89.6	68.1
Burial caskets	3995	13.9	12.4	5.6	4.5	8.3	7.9	121.8	94.3
Hard surface floor coverings	3996	6.4	8.1	3.9	4.3	2.5	3.8	89.0	97.3
Manufacturing industries, n.e.c	3999	10.5	10.5	4.4	4.1	6.1	6.3	66.5	57.8
Nondurable goods		9.3	9.2	4.2	4.2	5.2	5.1	70.8	70.5
Food and kindred products	2000	16.0	15.7	7.6	7.5	8.4	8.2	123.1	124.0
Meat products	2010	21.9	22.1	10.2	10.3	11.6	11.8	144.5	154.9
Meat packing plants	2011	27.7	27.4	13.4	13.6	14.3	13.8	184.1	202.5
Sausages and other prepared meats	2013	19.1	20.2	9.6	10.0	9.4	10.2	139.3	152.6
Poultry dressing plants	2016	16.0	16.6	6.6	6.5	9.4	10.2	92.8	99.9

See footnotes at end of table.

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Table 3. Occupational injury incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	Incidence rates per 100 full-time workers [4]							
		Total cases [5]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1982	1983	1982	1983	1982	1983	1982	1983
Poultry and egg processing	2017	18.3	18.0	7.5	7.0	10.7	11.0	141.5	103.5
Dairy products	2020	13.8	14.0	6.6	6.7	7.2	7.3	117.0	110.2
Creamery butter	2021	15.2	16.2	7.7	7.6	7.5	8.6	139.6	138.6
Cheese, natural and processed	2022	13.4	14.2	6.2	6.7	7.2	7.4	107.1	95.9
Condensed and evaporated milk	2023	11.5	10.0	5.5	4.9	5.9	5.1	98.2	80.2
Ice cream and frozen desserts	2024	17.4	15.0	8.6	7.3	8.8	7.8	154.2	124.9
Fluid milk	2026	13.7	14.4	6.6	6.9	7.1	7.5	116.3	117.2
Preserved fruits and vegetables	2030	14.0	13.9	7.0	6.7	7.0	7.2	116.4	112.4
Canned specialties	2032	9.9	10.8	5.2	5.4	4.7	5.4	86.5	87.4
Canned fruits and vegetables	2033	14.5	14.4	7.4	6.5	7.1	7.9	117.1	99.2
Dehydrated fruits, vegetables, soups	2034	17.3	15.4	9.3	7.7	8.0	7.8	133.2	137.2
Pickles, sauces, and salad dressing	2035	13.7	15.7	5.5	6.9	8.2	8.8	91.3	105.2
Frozen fruits and vegetables	2037	14.9	13.8	7.3	7.2	7.6	6.6	144.2	139.6
Frozen specialties	2038	12.8	12.9	6.5	6.8	6.3	6.1	107.7	118.4
Grain mill products	2040	12.4	11.5	5.6	5.6	6.8	5.9	104.2	106.6
Flour and other grain mill products	2041	12.6	12.9	5.5	5.8	6.9	7.1	116.8	102.1
Cereal breakfast foods	2043	8.5	8.6	5.4	5.3	3.0	3.3	121.0	102.4
Rice milling	2044	18.7	14.6	7.5	7.9	11.2	6.8	161.6	162.9
Blended and prepared flour	2045	12.8	12.6	7.0	6.5	5.8	6.2	123.8	116.0
Wet corn milling	2046	8.8	9.2	4.1	4.5	4.7	4.6	82.4	103.6
Dog, cat, and other pet food	2047	13.5	13.2	5.4	6.5	8.1	6.7	105.0	121.9
Prepared feeds, n.e.c	2048	13.4	11.2	5.7	5.1	7.7	6.0	87.2	98.0
Bakery products	2050	13.0	12.4	6.3	6.3	6.6	6.1	115.5	125.2
Bread, cake, and related products	2051	13.3	12.7	6.6	6.6	6.7	6.1	115.3	132.1
Cookies and crackers	2052	11.6	11.5	5.3	5.2	6.2	6.3	116.2	98.5
Sugar and confectionery products	2060	12.9	13.3	6.7	6.5	6.2	6.7	110.8	98.7
Raw cane sugar	2061	22.7	26.8	12.0	15.3	10.7	11.5	180.4	181.7
Cane sugar refining	2062	9.4	10.7	6.7	6.2	2.8	4.4	120.0	115.0
Beet sugar	2063	16.4	16.0	10.3	9.4	6.1	6.6	112.9	137.9
Confectionery products	2065	11.8	12.0	5.4	5.2	6.4	6.8	102.6	87.4
Chocolate and cocoa products	2066	9.9	10.0	5.2	4.8	4.7	5.2	86.6	59.7
Chewing gum	2067	11.2	10.5	4.7	4.6	6.5	5.9	100.0	67.2
Fats and oils	2070	17.1	15.3	8.1	6.8	9.0	8.5	148.7	117.7
Cottonseed oil mills	2074	20.8	16.8	9.2	6.5	11.5	10.3	221.5	109.5
Soybean oil mills	2075	11.8	11.8	5.0	4.2	6.8	7.6	93.6	91.0
Vegetable oil mills, n.e.c	2076	13.4	10.5	4.4	4.9	9.0	5.7	52.0	91.6
Animal and marine fats and oils	2077	23.1	21.2	12.3	11.2	10.8	10.0	197.4	181.0
Shortening and cooking oils	2079	14.4	13.5	6.7	6.0	7.8	7.6	119.5	97.4
Beverages	2080	18.8	17.7	8.8	8.7	10.0	9.0	136.1	137.0
Malt beverages	2082	12.1	12.2	4.2	4.5	7.9	7.7	81.7	93.0
Malt	2083	21.3	19.3	10.5	9.5	10.7	9.8	211.2	176.8
Wines, brandy, and brandy spirits	2084	23.1	21.1	11.8	10.1	11.3	11.0	152.8	157.1
Distilled liquor, except brandy	2085	15.0	12.0	8.4	6.4	6.6	5.6	157.6	115.8
Bottled and canned soft drinks	2086	21.9	20.7	10.3	10.7	11.5	9.9	156.3	159.7
Flavoring extracts and sirups, n.e.c	2087	12.2	10.5	7.1	5.0	5.0	5.5	81.1	62.4
Miscellaneous foods and kindred products	2090	13.6	13.4	6.5	6.2	7.0	7.2	101.5	100.4
Canned and cured seafoods	2091	15.6	15.0	7.3	7.2	8.3	7.8	95.5	103.6
Fresh or frozen packaged fish	2092	15.9	16.2	8.2	7.2	7.7	9.0	133.9	91.3
Roasted coffee	2095	-	10.1	-	4.8	-	5.2	-	107.8
Manufactured ice	2097	15.2	16.1	8.0	8.4	7.2	7.6	105.4	152.3
Macaroni and spaghetti	2098	18.1	17.7	9.0	7.8	9.1	9.9	161.6	186.3
Food preparations, n.e.c	2099	11.9	12.0	5.5	5.5	6.5	6.5	85.1	89.8
Tobacco manufactures	2100	7.1	6.5	3.2	2.9	4.0	3.6	44.5	42.6
Cigarettes	2110	5.6	5.0	2.5	2.3	3.1	2.7	39.2	37.7
Cigars	2120	6.5	7.0	2.8	3.3	3.7	3.7	41.6	35.5
Chewing and smoking tobacco	2130	11.0	9.3	5.0	3.5	6.0	5.8	83.0	60.7

See footnotes at end of table.

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Table 3. Occupational injury incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	Incidence rates per 100 full-time workers [4]							
		Total cases [5]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1982	1983	1982	1983	1982	1983	1982	1983
Tobacco stemming and redrying	2140	14.6	14.4	6.1	6.6	8.5	7.8	61.4	71.7
Textile mill products	2200	7.5	7.3	2.7	2.7	4.8	4.5	53.2	50.2
Weaving mills, cotton	2210	5.4	5.3	1.5	1.6	3.8	3.7	36.0	33.5
Weaving mills, synthetics	2220	6.6	5.4	2.0	1.9	4.6	3.5	46.7	42.3
Weaving and finishing mills, wool	2230	8.9	8.9	4.4	4.6	4.4	4.3	93.2	84.9
Narrow fabric mills	2240	9.9	8.9	4.1	3.6	5.8	5.3	72.0	53.7
Knitting mills	2250	6.0	6.2	2.4	2.5	3.6	3.6	40.3	37.1
Women's hosiery, except socks	2251	3.6	4.4	1.2	2.0	2.4	2.4	21.3	26.6
Hosiery, n.e.c	2252	5.6	6.3	2.2	2.4	3.4	3.8	45.2	37.7
Knit outerwear mills	2253	5.5	5.9	2.3	2.1	3.2	3.7	27.6	27.6
Knit underwear mills	2254	6.3	5.1	2.7	2.3	3.6	2.8	44.9	33.9
Circular knit fabric mills	2257	8.2	8.8	3.1	3.5	5.1	5.3	57.9	51.5
Warp knit fabric mills	2258	8.3	8.0	3.6	3.7	4.7	4.3	74.1	67.4
Knitting mills, n.e.c	2259	8.7	8.7	4.3	5.0	4.4	3.7	66.2	75.4
Textile finishing, except wool	2260	10.3	10.4	4.0	4.3	6.4	6.0	77.8	84.3
Finishing plants, cotton	2261	8.4	9.1	3.2	3.9	5.1	5.3	68.5	78.4
Finishing plants, synthetics	2262	10.2	9.8	3.9	4.0	6.3	5.8	76.2	73.4
Finishing plants, n.e.c	2269	14.5	13.4	5.5	5.5	9.0	7.9	99.4	111.9
Floor covering mills	2270	9.7	8.7	3.3	3.3	6.4	5.4	67.4	67.4
Woven carpets and rugs	2271	13.3	12.3	5.5	4.9	7.7	7.4	69.9	77.9
Tufted carpets and rugs	2272	9.4	8.3	3.0	3.1	6.4	5.2	68.4	64.5
Yarn and thread mills	2280	8.0	7.9	2.5	2.4	5.6	5.4	45.3	45.2
Yarn mills, except wool	2281	8.2	7.9	2.3	2.2	5.9	5.6	41.2	41.8
Throwing and winding mills	2282	7.6	8.1	2.8	2.9	4.8	5.3	53.7	51.1
Wool yarn mills	2283	10.1	9.9	4.1	3.9	6.0	6.0	81.9	63.5
Thread mills	2284	6.1	5.8	2.1	2.1	4.0	3.7	32.0	47.3
Miscellaneous textile goods	2290	11.5	11.3	5.0	4.6	6.6	6.6	98.6	87.6
Felt goods, except woven felts and hats	2291	14.5	13.0	6.0	5.9	8.5	7.1	102.4	108.0
Paddings and upholstery filling	2293	13.7	14.3	5.2	5.3	8.5	9.0	72.4	84.1
Processed textile waste	2294	12.4	11.7	5.0	4.7	7.4	7.1	111.6	87.4
Coated fabrics, not rubberized	2295	12.0	11.9	5.5	4.9	6.5	7.0	124.3	107.5
Tire cord and fabric	2296	7.0	6.3	2.9	1.9	4.1	4.4	64.5	59.9
Nonwoven fabrics	2297	12.7	10.8	4.9	4.8	7.7	5.9	116.8	67.0
Cordage and twine	2298	11.9	14.7	6.1	5.8	5.8	8.9	105.0	76.0
Textile goods, n.e.c	2299	9.6	6.9	4.3	3.4	5.3	3.5	67.4	103.5
Apparel and other textile products	2300	5.9	6.3	2.1	2.3	3.8	3.9	35.1	39.2
Men's and boys' suits and coats	2310	7.5	6.9	2.8	2.8	4.6	4.1	49.4	50.0
Men's and boys' furnishings	2320	7.3	7.4	2.6	3.0	4.7	4.4	42.9	48.6
Men's and boys' shirts and nightwear	2321	5.7	5.9	1.8	2.4	3.9	3.5	27.7	36.0
Men's and boys' underwear	2322	-	5.8	-	1.9	-	3.9	-	36.4
Men's and boys' neckwear	2323	2.9	3.0	.8	.6	2.1	2.4	13.8	12.5
Men's and boys' separate trousers	2327	8.1	7.2	3.2	3.0	4.9	4.2	57.7	49.8
Men's and boys' work clothing	2328	9.1	10.4	3.5	4.4	5.6	6.0	49.8	74.1
Men's and boys' clothing, n.e.c	2329	6.8	6.0	2.2	2.0	4.6	4.0	41.5	29.6
Women's and misses' outerwear	2330	3.9	4.6	1.3	1.6	2.6	3.0	22.1	30.8
Women's and misses' blouse and waists	2331	3.9	4.0	1.0	1.3	2.9	2.8	17.0	23.1
Women's and misses' dresses	2335	2.3	3.3	.8	1.1	1.6	2.2	13.4	22.1
Women's and misses' suits and coats	2337	4.7	4.1	1.6	1.5	3.2	2.6	26.0	26.2
Women's and misses' outerwear, n.e.c	2339	4.9	6.1	1.7	2.2	3.1	3.8	30.6	42.9
Women's and children's undergarments	2340	6.0	6.5	1.8	1.8	4.2	4.6	31.5	27.3
Women's and children's underwear	2341	5.7	6.3	1.6	1.8	4.0	4.5	28.0	26.9
Brassieres and allied garments	2342	7.5	7.4	2.7	2.1	4.8	5.3	46.5	29.1
Hats, caps, and millinery	2350	6.1	5.7	2.4	2.2	3.7	3.4	35.3	34.0

See footnotes at end of table.

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Table 3. Occupational injury incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	Incidence rates per 100 full-time workers [4]							
		Total cases [5]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1982	1983	1982	1983	1982	1983	1982	1983
Hats and caps, except millinery	2352	6.2	6.0	2.5	2.5	3.6	3.5	37.7	39.2
Children's outerwear	2360	4.6	5.1	1.6	1.8	3.0	3.3	32.6	32.3
Children's dresses and blouses	2361	4.4	4.9	1.4	1.6	3.0	3.3	27.6	27.8
Children's coats and suits	2363	5.2	4.1	1.4	1.8	3.8	2.3	25.0	34.8
Miscellaneous apparel and accessories	2380	5.1	5.3	2.0	2.1	3.1	3.2	33.6	26.2
Fabric dress and work gloves	2381	2.9	3.7	1.5	1.5	1.4	2.2	18.5	23.8
Robes and dressing gowns	2384	6.0	6.6	2.1	2.5	3.9	4.1	30.7	17.3
Waterproof outergarments	2385	6.6	5.5	3.0	2.0	3.7	3.4	52.0	29.2
Leather and sheep lined clothing	2386	-	4.9	-	3.0	-	1.9	-	54.9
Apparel belts	2387	5.7	5.9	1.6	2.2	4.1	3.7	36.3	23.0
Miscellaneous fabricated textile products	2390	7.6	8.2	2.7	3.1	4.9	5.1	46.0	47.8
Curtains and draperies	2391	6.9	8.1	2.6	3.1	4.3	5.0	43.9	53.0
House furnishings, n.e.c	2392	9.3	9.0	3.1	3.4	6.2	5.6	44.6	55.2
Textile bags	2393	10.4	10.4	3.8	3.9	6.6	6.5	57.9	51.9
Canvas and related products	2394	9.1	9.7	3.7	4.0	5.3	5.6	73.8	53.0
Pleating and stitching	2395	5.0	5.3	1.6	2.0	3.5	3.3	43.4	37.3
Automotive and apparel trimmings	2396	5.2	5.2	1.8	2.0	3.4	3.2	30.5	41.7
Schiffli and machine embroideries	2397	-	5.0	-	1.5	-	3.5	-	29.9
Fabricated textile products, n.e.c	2399	8.5	11.4	2.8	3.8	5.7	7.6	53.6	40.0
Paper and allied products	2600	10.4	9.8	4.8	4.4	5.6	5.4	97.7	88.6
Pulp mills	2610	7.5	6.8	3.5	3.4	4.0	3.5	99.7	82.5
Paper mills, except building paper	2620	8.6	7.5	4.0	3.2	4.6	4.2	107.9	84.6
Paperboard mills	2630	9.7	8.8	4.3	3.7	5.4	5.1	109.6	88.1
Miscellaneous converted paper products	2640	11.0	10.2	5.1	4.9	5.9	5.4	87.2	82.4
Paper coating and glazing	2641	8.5	7.9	3.7	3.6	4.8	4.3	57.5	56.9
Envelopes	2642	15.0	12.7	7.5	5.7	7.5	7.1	127.0	94.8
Bags, except textile bags	2643	12.6	11.6	5.6	5.3	7.0	6.3	91.3	84.8
Die-cut paper and board	2645	11.2	11.6	5.1	5.8	6.0	5.8	92.7	93.9
Pressed and molded pulp goods	2646	7.8	9.2	4.5	5.0	3.3	4.2	74.1	112.1
Sanitary paper products	2647	9.8	7.8	4.7	4.2	5.1	3.6	87.9	77.1
Stationery products	2648	11.0	10.2	5.9	5.9	5.1	4.3	99.3	78.4
Converted paper products	2649	11.1	12.2	5.3	5.9	5.8	6.3	98.6	112.4
Paperboard containers and boxes	2650	12.0	12.0	5.5	5.3	6.5	6.7	96.6	101.6
Folding paperboard boxes	2651	11.7	12.4	5.3	5.4	6.4	7.0	92.2	101.4
Set-up paperboard boxes	2652	9.2	11.3	4.1	4.5	5.2	6.9	60.5	76.1
Corrugated and solid fiber boxes	2653	13.1	12.9	6.1	5.6	7.0	7.3	106.2	111.0
Sanitary food containers	2654	9.3	7.9	4.7	4.2	4.6	3.7	96.5	77.8
Fiber cans, drums, and similar products	2655	11.3	11.6	4.8	5.1	6.5	6.5	72.3	93.8
Printing and publishing	2700	6.4	6.4	2.8	2.8	3.6	3.6	44.9	43.6
Newspapers	2710	5.7	6.1	2.5	2.8	3.2	3.3	43.3	47.2
Periodicals	2720	2.9	3.5	1.6	1.8	1.3	1.7	28.6	28.7
Books	2730	6.3	5.5	2.5	2.4	3.7	3.1	35.2	38.9
Book publishing	2731	4.8	3.9	1.9	1.7	3.0	2.2	23.4	29.0
Miscellaneous publishing	2740	2.9	3.3	1.2	1.4	1.6	1.8	16.1	21.3
Commercial printing	2750	7.7	7.6	3.3	3.2	4.4	4.4	53.8	46.2
Commercial printing, letterpress	2751	7.5	6.8	3.3	3.0	4.3	3.8	59.3	47.2
Commercial printing, lithographic	2752	7.6	8.0	3.2	3.3	4.4	4.7	50.2	44.8
Engraving and plate printing	2753	7.1	6.1	2.7	2.1	4.4	4.0	43.2	32.5
Commercial printing, gravure	2754	11.1	10.1	5.2	4.7	5.9	5.4	65.7	73.4
Manifold business forms	2760	11.5	9.1	5.0	4.2	6.5	5.2	68.1	62.0
Greeting card publishing	2770	5.4	5.8	2.4	2.6	3.0	3.2	41.3	42.8
Blankbooks and bookbinding	2780	10.0	9.2	4.3	4.0	5.7	5.2	60.4	58.7

See footnotes at end of table.

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Table 3. Occupational injury incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	Incidence rates per 100 full-time workers [4]							
		Total cases [5]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1982	1983	1982	1983	1982	1983	1982	1983
Blankbooks and looseleaf binders	2782	10.6	9.6	4.2	4.1	6.4	5.5	54.2	59.4
Bookbinding and related work	2789	9.0	8.4	4.5	3.8	4.5	4.6	71.1	57.5
Printing trade services	2790	2.2	2.1	.8	.6	1.4	1.4	12.8	9.9
Typesetting	2791	-	1.4	-	.4	-	1.0	-	8.3
Photoengraving	2793	-	3.3	-	1.2	-	2.2	-	15.7
Electrotyping and stereotyping	2794	4.2	7.7	1.0	1.4	3.2	6.2	3.5	9.9
Lithographic platemaking services	2795	-	2.6	-	.8	-	1.8	-	9.7
Chemicals and allied products	2800	5.4	5.2	2.4	2.4	3.0	2.8	38.4	41.2
Industrial inorganic chemicals	2810	3.9	3.7	1.8	1.7	2.2	2.1	31.9	32.5
Alkalies and chlorine	2812	3.7	3.6	1.6	1.6	2.1	2.0	28.6	37.9
Industrial gases	2813	-	3.1	-	1.3	-	1.8	-	29.3
Industrial inorganic chemicals, n.e.c	2819	3.4	3.7	1.5	1.6	1.9	2.1	27.4	30.4
Plastics materials and synthetics	2820	3.4	3.5	1.4	1.5	2.0	2.0	27.9	29.2
Plastics materials and resins	2821	5.1	4.8	2.2	2.1	2.9	2.7	41.9	38.5
Synthetic rubber	2822	5.1	5.0	2.5	2.4	2.5	2.5	51.6	42.5
Cellulosic man-made fibers	2823	3.5	4.2	1.8	2.0	1.7	2.1	42.5	48.1
Organic fibers, noncellulosic	2824	-	1.7	-	.6	-	1.1	-	12.1
Drugs	2830	5.3	5.3	2.6	2.6	2.8	2.7	33.2	36.5
Biological products	2831	4.5	4.9	2.1	2.4	2.5	2.4	29.7	34.9
Medicinals and botanicals	2833	6.6	5.2	3.6	2.6	3.0	2.6	46.7	37.7
Pharmaceutical preparations	2834	5.3	5.4	2.5	2.7	2.8	2.7	32.2	36.5
Soap, cleaners, and toilet goods	2840	7.5	6.9	3.5	3.3	4.0	3.6	51.3	55.5
Soap and other detergents	2841	7.0	6.6	3.6	3.3	3.4	3.2	54.8	55.1
Polishes and sanitation goods	2842	9.5	8.7	4.3	3.9	5.3	4.8	60.6	67.2
Surface active agents	2843	7.5	7.6	3.0	3.8	4.5	3.8	41.7	66.8
Toilet preparations	2844	6.8	6.2	3.0	2.9	3.8	3.3	45.0	48.7
Paints and allied products	2850	10.7	9.1	4.6	3.8	6.0	5.3	69.0	57.7
Industrial organic chemicals	2860	3.7	3.7	1.6	1.5	2.1	2.1	27.7	35.6
Gum and wood chemicals	2861	7.1	6.9	3.2	3.7	4.0	3.3	68.3	84.8
Cyclic crudes and intermediates	2865	5.2	3.5	2.5	1.8	2.7	1.7	41.6	43.2
Industrial organic chemicals, n.e.c	2869	3.1	3.5	1.2	1.3	1.9	2.2	21.3	29.8
Agricultural chemicals	2870	6.1	5.9	2.5	2.7	3.6	3.2	41.8	54.3
Nitrogenous fertilizers	2873	7.6	6.4	2.4	2.6	5.1	3.8	41.9	50.6
Phosphatic fertilizers	2874	4.8	5.2	2.0	2.8	2.8	2.4	48.0	66.9
Fertilizers, mixing only	2875	9.2	9.7	3.9	4.1	5.2	5.6	58.2	69.7
Agricultural chemicals, n.e.c	2879	4.6	4.1	2.1	1.9	2.5	2.1	30.0	40.5
Miscellaneous chemical products	2890	8.4	8.4	3.7	3.9	4.7	4.5	61.0	59.8
Adhesives and sealants	2891	10.5	11.7	4.9	5.5	5.7	6.3	76.7	72.7
Explosives	2892	4.3	4.1	1.6	1.7	2.7	2.3	40.4	35.3
Printing ink	2893	10.8	12.8	4.6	6.3	6.2	6.5	84.4	63.9
Chemical preparations, n.e.c	2899	8.5	7.4	3.8	3.2	4.8	4.2	55.3	62.2
Petroleum and coal products	2900	5.1	5.2	2.4	2.4	2.6	2.8	45.7	46.1
Petroleum refining	2910	3.9	3.7	1.9	1.6	2.1	2.0	33.1	31.7
Paving and roofing materials	2950	10.9	12.0	5.3	5.7	5.5	6.3	105.4	114.6
Paving mixtures and blocks	2951	11.1	12.4	5.3	5.6	5.7	6.8	109.2	105.2
Asphalt felts and coatings	2952	10.7	11.8	5.3	5.8	5.3	6.0	102.5	121.6
Miscellaneous petroleum and coal products	2990	9.3	12.0	4.5	5.8	4.7	6.2	100.5	93.1
Lubricating oils and greases	2992	8.4	11.3	4.1	5.4	4.4	5.9	75.5	89.6
Petroleum and coal products, n.e.c	2999	15.2	17.8	7.7	8.6	7.3	9.1	271.9	119.5
Rubber and miscellaneous plastics products	3000	12.3	12.7	5.8	6.1	6.5	6.6	97.3	97.4
Tires and inner tubes	3010	9.7	8.5	6.8	6.3	2.9	2.2	125.3	117.0

See footnotes at end of table.

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Table 3. Occupational injury incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	Incidence rates per 100 full-time workers [4]							
		Total cases [5]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1982	1983	1982	1983	1982	1983	1982	1983
Rubber and plastics footwear	3020	11.1	10.5	5.8	5.4	5.2	5.1	95.9	114.4
Reclaimed rubber	3030	20.9	18.7	12.6	8.4	8.3	10.3	280.7	213.9
Rubber and plastics hose and belting	3040	10.1	9.2	5.4	4.3	4.7	5.0	103.6	74.8
Fabricated rubber products, n.e.c	3060	13.0	13.0	6.3	6.3	6.7	6.7	106.8	98.2
Miscellaneous plastics products	3070	13.0	13.7	5.5	6.1	7.5	7.6	88.3	93.7
Leather and leather products	3100	9.2	9.2	4.1	4.0	5.0	5.2	72.5	73.4
Leather tanning and finishing	3110	20.1	18.7	10.8	9.7	9.3	9.0	201.8	181.5
Boot and shoe cut stock and findings	3130	12.8	10.7	5.7	5.2	7.0	5.5	99.5	93.6
Footwear, except rubber	3140	8.0	8.3	3.6	3.5	4.4	4.8	59.7	68.1
House slippers	3142	7.4	7.6	3.5	3.5	3.9	4.1	46.9	49.2
Men's footwear, except athletic	3143	8.7	8.7	3.9	3.8	4.8	4.9	67.5	82.5
Women's footwear, except athletic	3144	7.2	6.9	3.2	2.9	3.9	4.0	55.2	57.2
Footwear, except rubber, n.e.c	3149	8.7	11.0	3.7	4.3	5.0	6.7	56.0	64.8
Leather gloves and mittens	3150	5.4	4.5	1.9	1.7	3.5	2.7	29.1	45.1
Luggage	3160	9.3	9.3	4.1	4.0	5.2	5.3	64.2	60.5
Handbags and personal leather goods	3170	6.1	6.8	2.1	2.4	4.0	4.4	37.6	31.0
Women's handbags and purses	3171	5.1	6.2	1.5	2.0	3.6	4.2	32.0	27.9
Personal leather goods, n.e.c	3172	7.6	7.6	3.0	3.0	4.6	4.6	45.1	35.1
Transportation and public utilities		8.4	8.1	4.8	4.7	3.5	3.4	95.8	94.4
Railroad transportation [7]	4000	8.8	7.8	5.8	5.2	3.0	2.6	87.1	76.1
Local and interurban passenger transit	4100	9.1	9.5	5.1	5.3	4.0	4.2	103.3	113.1
Local and suburban transportation	4110	12.0	13.6	6.6	8.0	5.5	5.6	119.3	132.3
Taxicabs	4120	5.5	3.8	3.6	2.5	1.9	1.3	83.1	64.3
Intercity highway transportation	4130	12.0	12.1	7.1	7.0	4.9	5.1	161.6	196.1
Transportation charter service	4140	5.7	9.7	3.1	3.9	2.6	5.9	60.7	124.9
School buses	4150	5.8	6.6	2.9	3.2	3.0	3.4	59.2	61.2
Bus terminal and service facilities	4170	-	12.1	-	5.4	-	6.6	-	123.7
Trucking and warehousing	4200	14.1	13.3	8.6	8.0	5.5	5.2	191.0	185.1
Trucking, local and long distance	4210	14.2	13.2	8.7	8.1	5.3	5.1	195.7	188.7
Public warehousing	4220	13.7	13.8	6.6	7.0	7.1	6.8	117.8	132.2
Trucking terminal facilities	4230	-	15.1	-	8.7	-	6.4	-	232.8
Water transportation	4400	11.2	10.7	6.6	6.4	4.6	4.3	248.5	228.5
Local water transportation	4450	-	7.9	-	4.6	-	3.2	-	141.4
Water transportation services	4460	17.7	16.9	10.5	10.4	7.1	6.4	443.8	398.4
Transportation by air	4500	13.3	12.6	7.5	7.2	5.9	5.4	100.0	96.7
Certificated air transportation	4510	14.0	13.1	7.9	7.6	6.0	5.5	106.6	102.5
Air transportation services	4580	11.9	11.0	6.1	5.7	5.8	5.2	81.4	75.9
Pipe lines, except natural gas	4600	4.8	4.1	1.9	1.5	2.8	2.6	29.4	24.7
Transportation services	4700	3.9	3.4	1.9	1.8	2.0	1.6	34.6	37.8
Freight forwarding	4710	6.1	6.8	3.3	3.7	2.8	3.1	57.9	66.1
Arrangement of transportation	4720	1.0	1.1	.5	.6	.5	.5	12.1	17.2
Miscellaneous transportation services	4780	-	12.2	-	6.0	-	6.2	-	133.4
Communication	4800	2.7	2.9	1.4	1.5	1.3	1.4	22.1	26.8
Telephone communication	4810	1.9	1.9	1.2	1.2	.7	.7	19.1	22.1
Telegraph communication	4820	4.2	3.7	2.1	2.0	2.0	1.7	56.1	41.2
Radio and television broadcasting	4830	2.1	2.1	.8	.9	1.3	1.3	12.0	13.9
Communication services, n.e.c	4890	11.3	11.1	4.7	4.8	6.6	6.3	65.9	82.3
Electric, gas, and sanitary services	4900	7.4	7.1	3.8	3.6	3.6	3.5	64.8	61.0
Electric services	4910	6.8	6.1	3.3	2.9	3.5	3.2	55.9	52.0
Gas production and distribution	4920	6.9	6.8	3.6	3.5	3.4	3.3	53.9	49.4
Combination utility services	4930	5.6	5.5	3.2	3.1	2.3	2.5	64.2	59.4
Water supply	4940	10.1	10.4	4.3	5.3	5.8	5.1	58.4	91.6
Sanitary services	4950	20.2	20.8	11.4	11.0	8.8	9.7	179.1	168.8

See footnotes at end of table.

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Table 3. Occupational injury incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	Incidence rates per 100 full-time workers [4]							
		Total cases [5]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1982	1983	1982	1983	1982	1983	1982	1983
Steam supply	4960	-	12.3	-	5.7	-	6.7	-	51.0
Irrigation systems	4970	-	10.7	-	5.2	-	5.5	-	51.8
Wholesale and retail trade		7.1	7.2	3.0	3.1	4.1	4.1	45.0	47.4
Wholesale trade		7.1	6.9	3.4	3.2	3.7	3.7	51.6	50.1
Wholesale trade-durable goods	5000	6.6	6.3	2.9	2.6	3.7	3.7	42.7	39.2
Motor vehicles and automotive equipment	5010	7.5	6.9	3.5	2.9	4.0	4.0	49.0	48.1
Lumber and construction materials	5030	10.8	11.0	4.7	4.8	6.0	6.2	65.3	68.6
Metals and minerals, except petroleum	5050	12.2	11.5	5.6	5.0	6.6	6.5	85.8	80.5
Hardware, plumbing and heating equipment	5070	4.9	6.0	2.1	2.6	2.8	3.4	26.4	29.6
Machinery, equipment, and supplies	5080	6.5	5.7	2.7	2.2	3.8	3.4	38.9	31.8
Miscellaneous durable goods	5090	8.7	10.1	4.3	4.8	4.4	5.3	76.2	72.6
Wholesale trade-nondurable goods	5100	7.7	7.8	4.0	4.1	3.7	3.7	64.5	65.7
Paper and paper products	5110	-	4.9	-	2.8	-	2.1	-	42.8
Drugs, proprietaries, and sundries	5120	5.5	5.8	2.6	2.8	2.9	2.9	44.4	42.7
Groceries and related products	5140	11.8	12.2	6.4	6.6	5.4	5.7	98.1	105.4
Farm-product raw materials	5150	6.6	6.7	3.0	2.8	3.6	3.8	59.1	62.9
Petroleum and petroleum products	5170	5.3	4.5	2.9	2.1	2.4	2.3	50.3	45.0
Beer, wine, and distilled beverages	5180	11.6	11.5	6.4	6.3	5.2	5.2	104.2	102.4
Miscellaneous nondurable goods	5190	6.2	5.3	3.0	2.7	3.2	2.6	47.0	40.2
Retail trade		7.1	7.2	2.9	3.0	4.2	4.3	42.1	46.3
Building materials and garden supplies	5200	8.3	8.5	3.5	3.7	4.8	4.8	53.6	57.7
Lumber and other building materials	5210	10.5	10.8	4.5	4.9	5.9	5.8	67.9	75.5
Paint, glass, and wallpaper stores	5230	8.7	7.5	2.9	2.7	5.7	4.8	54.8	48.8
Hardware stores	5250	4.8	4.7	2.0	1.8	2.8	2.9	33.5	23.9
Retail nurseries and garden stores	5260	5.6	6.4	2.6	2.8	3.0	3.6	21.7	34.4
General merchandise stores	5300	9.1	9.6	3.8	4.0	5.3	5.7	54.9	55.7
Department stores	5310	9.6	10.2	4.0	4.2	5.6	6.0	57.0	59.9
Variety stores	5330	8.2	7.3	3.0	2.7	5.2	4.6	49.0	35.8
Food stores	5400	10.2	10.4	4.4	4.4	5.8	5.9	70.1	79.1
Grocery stores	5410	11.0	11.2	4.7	4.8	6.3	6.4	75.5	85.1
Automotive dealers and service stations	5500	6.9	6.8	2.5	2.4	4.4	4.3	40.6	39.4
New and used car dealers	5510	8.9	8.5	2.6	2.6	6.3	5.8	38.8	40.7
Auto and home supply stores	5530	7.6	9.1	3.4	4.2	4.1	4.9	57.6	66.1
Gasoline service stations	5540	3.9	3.6	1.8	1.5	2.1	2.2	37.1	27.3
Apparel and accessory stores	5600	2.5	2.4	1.0	1.0	1.5	1.4	12.2	17.7
Family clothing stores	5650	4.6	4.2	2.2	1.8	2.5	2.4	24.5	21.4
Furniture and home furnishing stores	5700	3.9	3.6	1.8	1.8	2.1	1.8	28.9	30.2
Furniture and home furnishings stores	5710	4.5	4.2	2.1	2.1	2.4	2.1	28.7	35.4
Household appliance stores	5720	-	3.7	-	1.9	-	1.8	-	27.6
Radio, television, and music stores	5730	2.4	2.5	1.1	1.1	1.3	1.3	29.3	20.4
Eating and drinking places	5800	7.5	7.7	2.9	3.0	4.7	4.7	34.0	40.0
Miscellaneous retail	5900	3.6	3.6	1.6	1.7	2.0	1.9	27.2	31.1
Drug stores and proprietary stores	5910	3.2	3.1	1.2	1.2	2.0	1.9	27.7	23.7
Liquor stores	5920	-	2.5	-	1.1	-	1.4	-	42.5
Miscellaneous shopping goods stores	5940	2.2	2.2	.9	1.0	1.3	1.2	11.4	14.6
Nonstore retailers	5960	7.1	7.2	3.3	3.6	3.8	3.7	44.4	45.2
Fuel and ice dealers	5980	7.8	7.1	4.1	3.9	3.7	3.1	66.5	60.2
Retail stores, n.e.c	5990	-	2.3	-	1.2	-	1.0	-	43.9
Finance, insurance, and real estate		2.0	1.9	.9	.8	1.1	1.1	12.8	12.4
Banking	6000	1.7	1.6	.7	.6	1.0	1.0	10.0	7.8
Commercial and stock savings banks	6020	1.6	1.6	.7	.6	1.0	1.0	10.1	7.6

See footnotes at end of table.

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Table 3. Occupational injury incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	Incidence rates per 100 full-time workers [4]							
		Total cases [5]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1982	1983	1982	1983	1982	1983	1982	1983
Credit agencies other than banks	6100	1.2	1.3	0.5	0.5	0.7	0.8	8.0	6.0
Savings and loan associations	6120	1.5	1.8	.6	.7	.8	1.1	8.5	6.7
Security, commodity brokers and services	6200	.8	.8	.3	.3	.5	.5	3.9	3.7
Security brokers and dealers	6210	.7	.7	.3	.2	.4	.5	3.3	3.0
Security and commodity services	6280	-	.9	-	.4	-	.5	-	4.5
Insurance carriers	6300	1.8	1.7	.8	.7	1.0	1.0	10.7	12.1
Life insurance	6310	1.5	1.4	.7	.7	.8	.7	10.2	12.6
Medical service and health insurance	6320	2.3	2.0	1.0	.8	1.3	1.1	9.9	11.7
Fire, marine, and casualty insurance	6330	2.2	2.2	.8	.8	1.4	1.4	11.8	11.4
Insurance agents, brokers and service	6400	.8	.7	.3	.3	.5	.5	4.8	-
Real estate	6500	4.3	4.3	2.1	2.2	2.2	2.1	31.8	34.2
Real estate operators and lessors	6510	4.9	4.9	2.4	2.5	2.5	2.4	35.1	38.5
Real estate agents and managers	6530	3.1	2.8	1.6	1.4	1.5	1.4	24.4	21.9
Subdividers and developers	6550	6.9	7.7	3.2	3.8	3.7	3.9	47.9	59.0
Holding and other investment offices	6700	1.8	1.7	.8	.7	1.1	1.0	13.1	9.2
Holding offices	6710	2.3	1.7	.9	.7	1.3	1.1	12.9	8.3
Services		4.8	4.9	2.3	2.3	2.5	2.6	35.1	36.2
Hotels and other lodging places	7000	8.9	9.0	3.6	3.7	5.3	5.3	52.9	53.8
Hotels, motels, and tourist courts	7010	9.1	9.2	3.7	3.8	5.4	5.4	54.8	54.6
Personal services	7200	3.1	2.8	1.4	1.3	1.7	1.5	20.9	20.2
Laundry, cleaning, and garment services	7210	5.4	4.9	2.5	2.4	2.9	2.5	37.6	38.3
Business services	7300	4.3	4.6	2.0	2.1	2.4	2.4	31.2	33.0
Services to buildings	7340	6.6	6.9	3.5	3.8	3.1	3.2	51.0	59.3
Personnel supply services	7360	7.7	7.4	3.6	2.9	4.1	4.4	54.7	48.8
Computer and data processing services	7370	1.4	1.2	.7	.5	.8	.7	10.7	8.3
Miscellaneous business services	7390	4.1	4.6	1.7	2.1	2.4	2.5	29.5	30.7
Auto repair, services, and garages	7500	7.5	7.0	3.1	3.2	4.4	3.7	53.4	51.5
Automotive rentals, without drivers	7510	9.8	8.1	3.6	4.5	6.2	3.7	64.0	67.4
Automotive repair shops	7530	7.7	7.3	3.2	3.2	4.5	4.1	51.6	51.8
Automotive services, except repair	7540	-	5.0	-	2.5	-	2.4	-	37.7
Miscellaneous repair services	7600	8.7	7.7	4.2	3.7	4.5	4.0	77.0	61.0
Electrical repair shops	7620	5.3	5.4	2.7	2.5	2.6	2.9	53.6	41.4
Miscellaneous repair shops	7690	11.3	9.6	5.3	4.6	6.0	5.0	97.3	76.2
Motion pictures	7800	3.7	4.0	1.3	1.6	2.4	2.4	23.2	28.5
Motion picture theaters	7830	3.0	2.9	1.2	1.2	1.8	1.7	17.4	14.3
Amusement and recreation services	7900	7.9	8.0	3.6	3.6	4.3	4.4	50.7	52.6
Bowling and billiard establishments	7930	-	3.6	-	1.6	-	2.0	-	29.6
Miscellaneous amusement, recreational services	7990	8.3	8.2	3.7	3.7	4.7	4.5	50.7	48.5
Health services	8000	5.7	6.0	3.0	3.1	2.7	2.9	47.9	49.2
Nursing and personal care facilities	8050	9.9	10.9	5.6	6.0	4.3	4.9	94.3	97.6
Hospitals	8060	7.0	7.1	3.6	3.5	3.4	3.5	55.8	55.6
Legal services	8100	.4	.4	.2	.2	.2	.2	2.4	4.0
Educational services	8200	3.4	3.3	1.5	1.4	1.9	1.9	19.1	18.1
Colleges and universities	8220	4.0	3.9	1.7	1.6	2.3	2.3	20.2	22.7
Libraries and information centers	8230	3.1	2.0	1.1	1.0	2.0	1.0	14.3	15.6
Social services	8300	4.8	5.1	2.2	2.4	2.6	2.7	28.9	36.8
Individual and family services	8320	3.6	4.4	1.9	2.3	1.7	2.1	30.1	30.5
Job training and related services	8330	8.3	8.3	3.1	3.6	5.2	4.7	33.8	46.7
Residential care	8360	7.2	7.3	3.4	3.6	3.8	3.7	48.9	53.9

See footnotes at end of table.

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Table 3. Occupational injury incidence rates by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	Incidence rates per 100 full-time workers [4]							
		Total cases [5]		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1982	1983	1982	1983	1982	1983	1982	1983
Social services, n.e.c	8390	4.5	4.6	2.1	2.1	2.4	2.4	26.0	29.7
Museums, botanical, zoological gardens	8400	5.7	6.2	2.6	2.6	4.0	3.6	40.2	31.7
Museums and art galleries	8410	4.8	4.3	1.9	1.8	2.9	2.5	33.5	21.9
Botanical and zoological gardens	8420	14.3	14.1	5.6	6.0	8.7	8.1	67.6	73.2
Membership organizations	8600	-	2.6	-	1.0	-	1.5	-	17.0
Civic and social associations	8640	-	3.8	-	1.6	-	2.2	-	26.4
Membership organizations, n.e.c	8690	-	4.7	-	2.0	-	2.8	-	28.0
Miscellaneous services	8900	1.3	1.2	.5	.5	.7	.7	8.5	7.5
Engineering and architectural services	8910	1.7	1.6	.7	.7	1.0	.9	11.6	10.8
Noncommercial research organizations	8920	2.4	2.1	1.1	1.0	1.2	1.1	13.3	11.2
Accounting, auditing and bookkeeping	8930	-	.3	-	.1	-	.2	-	1.6

[1] To maintain comparability with the rest of the series, a statistical method was used for generating the estimates to represent the small nonfarm employers in low-risk industries who were not surveyed for 1983. The estimating procedure involved averaging the data reported by small employers for the 1980, 1981, and 1982 surveys.

[2] Totals for divisions and 2- and 3-digit SIC codes include data for industries not shown separately.

[3] *Standard Industrial Classification Manual*, 1972 Edition, 1977 *Supplement*.

[4] Incidence rates represent the number of injuries or lost workdays per 100 full-time workers and were calculated as: (N/EH) X 200,000 where,

N = number of injuries or lost workdays
EH = total hours worked by all employees during the calendar year
200,000 = base for 100 full-time workers (working 40 hours per week, 50 weeks per year).

[5] Includes fatalities. Because of rounding, the difference between the total and the sum of the rates for lost workday cases and nonfatal cases without lost workdays may not reflect the fatality rate.

[6] Excludes farms with fewer than 11 employees.

[7] Data conforming to OSHA definitions for coal and lignite mining (SIC 11 and 12) and metal and nonmetal mining (SIC 10 and 14), and railroads (SIC 40) were provided by the Mine Safety and Health Administration, U.S. Department of Labor, and by the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries.

n.a. = data not available.
n.e.c. = not elsewhere classified.

NOTE: Dashes indicate that data do not meet publication guidelines. Because of rounding, the components may not add to totals.

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Table 4. Occupational injury incidence rates by industry division and employment size, 1982 and 1983 [1]

Industry division	Incidence rates per 100 full-time workers [2]							
	1 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 to 2,499 employees	2,500 employees or more
Private sector: [3]								
1982	3.5	7.7	10.0	10.7	9.9	8.5	6.7	5.5
1983	3.4	7.5	10.0	10.6	9.5	8.3	6.7	5.3
Agriculture, forestry, and fishing: [3]								
1982	6.1	9.7	14.3	14.0	16.6	14.1	27.9	21.7
1983	6.1	10.2	14.0	15.6	13.7	14.4	29.3	21.7
Mining: [4]								
1982	6.4	12.5	13.6	12.8	9.4	8.6	4.1	2.9
1983	6.7	10.3	13.0	8.4	7.4	5.4	2.5	.5
Construction:								
1982	8.4	16.8	19.6	22.1	18.0	16.5	9.7	7.7
1983	8.6	17.0	20.7	21.4	17.4	13.3	9.3	10.8
Manufacturing:								
1982	7.2	12.3	14.1	13.6	11.4	8.9	6.3	4.8
1983	7.5	12.1	14.2	13.6	10.8	8.5	5.9	4.5
Transportation and public utilities:								
1982	5.4	10.0	11.1	8.7	7.8	8.5	7.3	8.2
1983	4.8	9.3	11.1	9.6	7.5	8.5	6.7	7.1
Wholesale and retail trade:								
1982	3.0	7.0	9.4	10.5	11.5	11.1	10.6	10.4
1983	2.8	6.5	9.3	10.6	11.6	11.7	11.4	10.3
Wholesale trade:								
1982	3.9	7.5	9.9	10.4	8.8	8.8	7.0	-
1983	3.7	6.9	9.4	9.7	10.2	9.6	8.1	-
Retail trade:								
1982	2.6	6.7	9.2	10.6	12.6	11.9	11.3	10.4
1983	2.5	6.3	9.3	11.0	12.1	12.4	12.0	10.4
Finance, insurance, and real estate:								
1982	1.4	1.6	2.2	2.4	2.8	2.5	2.1	1.9
1983	1.2	1.6	2.1	2.4	2.8	2.5	2.1	1.9
Services:								
1982	1.6	3.0	5.5	7.2	7.1	7.0	6.7	5.4
1983	1.7	3.2	5.3	7.3	7.2	7.2	7.1	5.8

[1] To maintain comparability with the rest of the series, a statistical method was used for generating the estimates to represent the small nonfarm employers in low-risk industries who were not surveyed for 1983. The estimating procedure involved averaging the data reported by small employers for the 1980, 1981, and 1982 surveys.

[2] Incidence rates represent the number of injuries per 100 full-time workers and were calculated as: (N/EH) X 200,000 where,

N = number of injuries

EH = total hours worked by all employees during the calendar year

200,000 = base for 100 full-time workers (working 40 hours per week, 50 weeks per year).

[3] Excludes farms with fewer than 11 employees.

[4] Excludes independent mining contractors.

NOTE: Dashes indicate that data do not meet publication guidelines.

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Table 5. Occupational injury incidence rates for lost workday cases by industry, 1982 and 1983 [1]

Industry [2]	SIC code [3]	Incidence rates per 100 full-time workers [4]											
		Lost workday injuries						Lost workdays					
		Total lost workday cases		Cases involving days away from work [5]		Cases involving days of restricted work activity only		Total lost workdays		Number of days away from work		Number of days of restricted work activity [6]	
		1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
Private sector [7]		3.4	3.4	3.2	3.1	0.3	0.3	57.5	57.2	52.9	52.4	4.6	4.8
Agriculture, forestry, and fishing [7]		5.7	6.0	5.4	5.7	.3	.2	84.2	89.5	79.2	83.2	5.0	6.3
Agricultural production [7]	01-02	6.4	6.8	6.1	6.6	.3	.2	89.6	99.6	84.9	93.2	4.7	6.3
Agricultural services	07	4.9	5.0	4.6	4.7	.3	.3	75.1	76.4	70.0	69.9	5.2	6.5
Forestry	08	5.3	5.5	5.1	5.3	.2	.1	101.8	96.0	97.1	89.1	4.7	7.0
Fishing, hunting, and trapping	09	3.2	2.9	3.2	2.9	(8)	.1	96.9	72.1	83.9	71.2	12.9	.9
Mining		5.4	4.4	5.2	4.2	.2	.2	136.7	124.1	131.1	119.1	5.6	5.0
Metal mining [9]	10	3.5	3.4	3.1	3.0	.5	.4	103.8	89.9	95.3	83.7	8.6	6.3
Anthracite mining [9]	11	7.9	6.1	7.9	6.1	(8)	(8)	456.4	470.4	456.4	470.2	.0	.2
Bituminous coal and lignite mining [9]	12	6.7	5.5	6.6	5.4	.1	.1	193.9	187.1	198.1	184.8	1.9	2.3
Oil and gas extraction	13	5.5	4.6	5.3	4.3	.2	.3	126.9	119.7	120.5	114.2	6.4	5.5
Nonmetallic minerals, except fuels [9]	14	2.4	2.6	2.1	2.3	.3	.3	71.4	65.5	64.9	59.5	6.5	6.0
Construction		6.0	6.2	5.8	6.0	.2	.2	114.6	117.3	109.3	111.5	5.3	5.8
General building contractors	15	5.9	6.1	5.7	5.9	.2	.2	110.9	112.0	106.5	107.5	4.4	4.5
Heavy construction contractors	16	5.8	6.1	5.5	5.9	.3	.2	112.2	121.7	107.5	117.6	4.7	4.1
Special trade contractors	17	6.1	6.3	5.9	6.1	.2	.2	117.5	118.0	111.4	110.8	6.1	7.1
Manufacturing		4.3	4.2	3.8	3.7	.5	.5	72.4	70.4	64.7	62.3	7.7	8.0
Durable goods		4.4	4.2	3.8	3.7	.5	.5	73.5	70.3	65.0	61.8	8.5	8.5
Lumber and wood products	24	8.2	9.1	7.8	8.7	.4	.4	151.3	161.4	143.5	153.6	7.8	7.8
Furniture and fixtures	25	5.4	5.6	4.8	5.0	.6	.6	83.0	80.2	74.6	71.5	8.4	8.7
Stone, clay, and glass products	32	6.0	5.9	5.4	5.4	.6	.5	109.9	109.4	100.5	100.1	9.3	9.3
Primary metal industries	33	5.3	5.3	4.5	4.6	.7	.8	99.8	101.2	88.8	89.0	11.0	12.2
Fabricated metal products	34	6.2	5.9	5.6	5.2	.6	.7	99.9	92.4	90.3	82.6	9.6	9.8
Machinery, except electrical	35	4.1	3.5	3.6	3.0	.5	.5	64.1	55.9	56.1	47.9	8.0	8.0
Electric and electronic equipment	36	2.5	2.4	2.1	2.0	.5	.4	38.5	36.9	31.4	30.0	7.0	6.8
Transportation equipment	37	3.9	3.5	3.3	2.8	.6	.6	70.1	62.0	60.4	52.5	9.7	9.5
Instruments and related products	38	2.2	2.0	1.8	1.7	.3	.3	34.3	32.7	27.9	26.4	6.3	6.3
Miscellaneous manufacturing industries	39	4.0	3.8	3.5	3.5	.4	.4	67.5	63.6	58.7	57.4	8.3	6.2
Nondurable goods		4.2	4.2	3.8	3.7	.4	.4	70.8	70.5	64.2	63.1	6.6	7.4
Food and kindred products	20	7.6	7.5	7.1	7.0	.5	.6	123.1	124.0	114.5	113.3	8.5	10.7
Tobacco manufactures	21	3.2	2.9	2.8	2.7	.4	.3	44.5	42.6	39.0	38.1	5.5	4.5
Textile mill products	22	2.7	2.7	2.3	2.3	.4	.5	53.2	50.2	46.7	43.1	6.4	7.0
Apparel and other textile products	23	2.1	2.3	2.0	2.2	.1	.1	35.1	39.2	33.0	36.8	2.1	2.4
Paper and allied products	26	4.8	4.4	4.2	3.8	.6	.6	97.7	88.6	88.3	78.6	9.4	10.0
Printing and publishing	27	2.8	2.8	2.6	2.7	.2	.2	44.9	43.6	42.2	40.7	2.7	2.9
Chemicals and allied products	28	2.4	2.4	1.9	1.9	.5	.5	38.4	41.2	30.4	32.8	8.1	8.4
Petroleum and coal products	29	2.4	2.4	2.0	1.9	.4	.4	45.7	46.1	37.7	37.4	8.0	8.7
Rubber and miscellaneous plastics products	30	5.8	6.1	5.2	5.4	.6	.7	97.3	97.4	87.2	86.1	10.1	11.3
Leather and leather products	31	4.1	4.0	3.9	3.7	.3	.3	72.5	73.4	67.0	66.8	5.5	6.6
Transportation and public utilities		4.8	4.7	4.4	4.2	.5	.5	95.8	94.4	87.6	85.5	8.2	8.9
Railroad transportation [9]	40	5.8	5.2	4.1	3.3	1.7	1.9	87.1	76.1	68.1	54.0	19.0	22.1
Local and interurban passenger transit	41	5.1	5.3	5.0	5.0	.1	.3	103.3	113.1	99.9	108.8	3.4	4.4
Trucking and warehousing	42	8.6	8.0	8.5	7.9	.1	.1	191.0	185.1	187.9	181.7	3.1	3.3
Water transportation	44	6.6	6.4	6.5	6.3	.2	.1	248.5	228.5	240.2	225.5	8.3	3.0
Transportation by air	45	7.5	7.2	7.2	6.9	.3	.3	100.0	96.7	94.5	90.1	5.6	6.7

See footnotes at end of table.

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Table 5. Occupational injury incidence rates for lost workday cases by industry, 1982 and 1983 [1]—Continued

Industry [2]	SIC code [3]	Incidence rates per 100 full-time workers [4]											
		Lost workday injuries						Lost workdays					
		Total lost workday cases		Cases involving days away from work [5]		Cases involving days of restricted work activity only		Total lost workdays		Number of days away from work		Number of days of restricted work activity [6]	
		1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
Pipe lines, except natural gas	46	1.9	1.5	1.8	1.4	0.1	0.1	29.4	24.7	27.7	22.8	1.7	1.8
Transportation services	47	1.9	1.8	1.9	1.8	.1	(*)	34.6	37.8	32.5	36.5	2.1	1.4
Communication	48	1.4	1.5	1.1	1.2	.3	.3	22.1	26.8	15.5	18.4	6.6	8.4
Electric, gas, and sanitary services	49	3.8	3.6	2.8	2.6	1.0	1.0	64.8	61.0	48.2	44.5	16.6	16.5
Wholesale and retail trade		3.0	3.1	2.9	2.9	.1	.2	45.0	47.4	42.0	44.3	3.0	3.1
Wholesale trade		3.4	3.2	3.2	3.0	.2	.2	51.6	50.1	48.1	46.1	3.6	4.0
Wholesale trade-durable goods	50	2.9	2.6	2.7	2.5	.2	.2	42.7	39.2	39.0	35.3	3.7	4.0
Wholesale trade-nondurable goods	51	4.0	4.1	3.8	3.9	.2	.2	64.5	65.7	61.2	61.8	3.3	4.0
Retail trade		2.9	3.0	2.7	2.8	.1	.1	42.1	46.3	39.3	43.5	2.8	2.8
Building materials and garden supplies	52	3.5	3.7	3.3	3.5	.2	.2	53.6	57.7	49.3	51.6	4.3	6.0
General merchandise stores	53	3.8	4.0	3.5	3.7	.2	.3	54.9	55.7	49.5	51.3	5.4	4.4
Food stores	54	4.4	4.4	4.3	4.4	.1	.1	70.1	79.1	68.5	77.0	1.6	2.1
Automotive dealers and service stations	55	2.5	2.4	2.3	2.3	.1	.1	40.6	39.4	38.4	36.9	2.2	2.5
Apparel and accessory stores	56	1.0	1.0	.9	1.0	.1	(*)	12.2	17.7	11.2	16.5	1.0	1.2
Furniture and home furnishing stores	57	1.8	1.8	1.7	1.7	.1	.1	28.9	30.2	26.4	26.5	2.5	3.8
Eating and drinking places	58	2.9	3.0	2.7	2.9	.2	.2	34.0	40.0	31.5	37.6	2.5	2.5
Miscellaneous retail	59	1.6	1.7	1.5	1.6	.1	.1	27.2	31.1	24.0	28.9	3.2	2.2
Finance, insurance, and real estate		.9	.8	.8	.8	(*)	(*)	12.8	12.4	11.6	11.2	1.3	1.3
Banking	60	.7	.6	.7	.6	(*)	(*)	10.0	7.8	9.0	6.8	1.0	1.0
Credit agencies other than banks	61	.5	.5	.5	.5	(*)	(*)	8.0	6.0	7.4	5.4	.6	.6
Security, commodity brokers and services	62	.3	.3	.3	.3	(*)	-	3.9	3.7	3.8	3.6	.1	.2
Insurance carriers	63	.8	.7	.7	.7	(*)	(*)	10.7	12.1	9.7	11.3	1.1	.8
Insurance agents, brokers and service	64	.3	.3	.3	.2	(*)	(*)	4.8	-	4.2	-	.6	.6
Real estate	65	2.1	2.2	2.0	2.1	.1	.1	31.8	34.2	28.6	30.8	3.2	3.5
Holding and other investment offices	67	.8	.7	.7	.7	.1	(*)	13.1	9.2	11.4	7.5	1.6	1.7
Services		2.3	2.3	2.2	2.2	.1	.1	35.1	36.2	32.8	33.8	2.2	2.4
Hotels and other lodging places	70	3.6	3.7	3.5	3.5	.1	.2	52.9	53.8	50.5	50.5	2.5	3.4
Personal services	72	1.4	1.3	1.3	1.3	.1	.1	20.9	20.2	19.6	19.2	1.4	-
Business services	73	2.0	2.1	1.9	2.0	.1	.1	31.2	33.0	28.4	30.8	2.9	2.2
Auto repair, services, and garages	75	3.1	3.2	2.9	3.1	.1	.2	53.4	51.5	49.8	45.8	3.6	5.6
Miscellaneous repair services	76	4.2	3.7	4.0	3.5	.2	.2	77.0	61.0	72.9	56.2	4.1	4.8
Motion pictures	78	1.3	1.6	1.2	1.5	.1	-	23.2	28.5	22.3	26.9	1.0	1.6
Amusement and recreation services	79	3.6	3.6	3.1	3.0	.5	.6	50.7	52.6	43.5	45.6	7.2	6.9
Health services	80	3.0	3.1	3.0	3.0	.1	.1	47.9	49.2	45.9	47.0	2.0	2.2
Legal services	81	.2	.2	.2	.2	(*)	(*)	2.4	4.0	2.1	2.5	.3	-
Educational services	82	1.5	1.4	1.4	1.3	.1	(*)	19.1	18.1	17.9	16.6	1.3	1.5
Social services	83	2.2	2.4	2.1	2.4	.1	.1	28.9	36.8	27.0	34.0	1.9	2.8
Museums, botanical, zoological gardens	84	2.6	2.6	2.6	2.4	.1	.2	40.2	31.7	35.4	28.4	4.7	3.3
Membership organizations	86	-	1.0	-	1.0	-	.1	-	17.0	-	15.8	-	1.2
Miscellaneous services	89	.5	.5	.5	.5	(*)	(*)	8.5	7.5	7.8	6.4	.7	1.1

See footnotes on next page.

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Table 5. Occupational injury incidence rates for lost workday cases by industry, 1982 and 1983 [1]—Continued

[1] To maintain comparability with the rest of the series, a statistical method was used for generating the estimates to represent the small nonfarm employers in low-risk industries who were not surveyed for 1983. The estimating procedure involved averaging the data reported by small employers for the 1980, 1981, and 1982 surveys.

[2] Industry division totals include data for industries not shown separately.

[3] *Standard Industrial Classification Manual*, 1972 Edition, 1977 *Supplement*.

[4] Incidence rates represent the number of lost workday injuries or lost workdays per 100 full-time workers and were calculated as: (N/EH) X 200,000 where,

N = number of lost workday injuries or lost workdays
EH = total hours worked by all employees during the calendar year
200,000 = base for 100 full-time workers (working 40 hours per week, 50 weeks per year).

[5] Also includes cases which involved both days away from work and days of restricted work activity.

[6] The number of days of restricted work activity includes those resulting from cases involving restricted work only and days resulting from cases involving days away from work and days of restricted work activity.

[7] Excludes farms with fewer than 11 employees.

[8] Incidence rates less than 0.05.

[9] Data conforming to OSHA definitions for coal and lignite mining (SIC 11 and 12), and metal and nonmetal mining (SIC 10 and 14), and railroads (SIC 40) were provided by the Mine Safety and Health Administration, U.S. Department of Labor, and by the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries.

NOTE: Dashes indicate that data do not meet publication guidelines. Because of rounding, components may not add to totals.

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Table 6. Number of occupational injuries and illnesses by industry, 1983 [1]

Industry [2]	SIC code [3]	Injuries and illnesses			Injuries			Illnesses		
		Total cases (thousands)	Lost workday cases (thousands)	Average lost workdays per lost workday case	Total cases (thousands)	Lost workday cases (thousands)	Average lost workdays per lost workday case	Total cases (thousands)	Lost workday cases (thousands)	Average lost workdays per lost workday case
Private sector [4]		4,854.1	2,182.7	17	4,748.0	2,140.3	17	106.1	42.4	20
Agriculture, forestry, and fishing [4]		88.0	45.1	15	84.6	44.1	15	3.5	1.0	10
Agricultural production [4]	01-02	55.6	28.4	14	53.5	27.8	15	2.0	.6	7
Agricultural services	07	30.5	15.6	15	29.2	15.2	15	1.3	.4	7
Forestry	08	1.4	.7	18	1.3	.7	18	.1	([5])	27
Fishing, hunting, and trapping	09	.6	.3	24	.6	.3	24	([4])	([5])	19
Mining		78.9	42.2	28	77.9	41.7	28	1.0	.5	19
Metal mining [6]	10	2.6	1.5	27	2.6	1.5	26	.1	([5])	35
Anthracite mining [6]	11	.1	.1	77	.1	.1	77	([4])	([5])	([5])
Bituminous coal and lignite mining [6]	12	11.9	9.2	34	11.6	9.1	34	.2	.1	26
Oil and gas extraction	13	59.6	28.1	26	58.9	27.8	26	.7	.3	16
Nonmetallic minerals, except fuels [6]	14	4.7	3.2	25	4.6	3.1	25	.1	([5])	13
Construction		494.6	210.0	19	483.2	207.9	19	5.4	2.0	16
General building contractors	15	120.8	52.0	18	119.5	51.4	18	1.2	.6	14
Heavy construction contractors	16	111.7	44.5	20	110.2	44.0	20	1.6	.5	10
Special trade contractors	17	262.1	113.4	19	259.5	112.5	19	2.6	.9	20
Manufacturing		1,772.8	763.7	17	1,712.9	738.6	17	59.8	25.2	22
Durable goods		1,078.0	450.8	17	1,042.0	436.5	17	36.0	14.4	22
Lumber and wood products	24	112.8	56.5	18	111.1	55.8	18	1.7	.6	21
Furniture and fixtures	25	58.9	23.9	14	57.6	23.3	14	1.2	.6	21
Stone, clay, and glass products	32	73.2	33.6	19	71.4	33.0	18	1.8	.6	23
Primary metal industries	33	100.4	44.2	19	98.0	43.4	19	2.4	.8	23
Fabricated metal products	34	198.4	80.2	16	192.4	77.7	16	6.0	2.4	22
Machinery, except electrical	35	192.5	71.0	16	186.8	68.9	16	5.7	2.0	21
Electric and electronic equipment	36	124.9	50.3	16	117.6	46.8	15	7.3	3.4	26
Transportation equipment	37	147.9	63.4	18	141.5	60.9	18	6.4	2.5	18
Instruments and related products	38	34.9	14.1	17	32.8	13.3	16	2.1	.8	24
Miscellaneous manufacturing industries	39	34.1	13.7	17	32.7	13.2	17	1.3	.5	19
Nondurable goods		694.8	312.9	17	670.9	302.1	17	23.9	10.8	21
Food and kindred products	20	254.3	122.3	17	242.4	116.3	16	11.9	6.0	19
Tobacco manufactures	21	3.8	1.7	14	3.8	1.7	15	([5])	([5])	6
Textile mill products	22	53.5	20.2	18	52.5	19.8	18	1.0	.3	25
Apparel and other textile products	23	65.4	24.6	17	64.0	23.9	17	1.4	.6	24
Paper and allied products	26	65.5	29.3	20	64.3	28.8	20	1.2	.5	24
Printing and publishing	27	75.1	32.9	16	73.6	32.2	15	1.5	.6	19
Chemicals and allied products	28	56.4	25.3	17	53.9	24.5	17	2.5	.7	15
Petroleum and coal products	29	10.8	4.8	19	10.3	4.7	19	.4	.1	22
Rubber and miscellaneous plastics products	30	91.6	43.8	16	89.1	42.7	16	2.5	1.1	25
Leather and leather products	31	18.4	8.1	20	17.0	7.4	18	1.4	.8	34
Transportation and public utilities		379.1	217.9	20	374.0	215.7	20	5.0	2.1	12
Railroad transportation [6]	40	29.3	19.4	15	28.7	19.1	15	.6	.3	8
Local and interurban passenger transit	41	18.2	10.2	21	18.0	10.1	21	.2	.1	-
Trucking and warehousing	42	153.4	92.9	23	152.7	92.5	23	.7	-	-
Water transportation	44	19.5	11.6	36	19.2	11.5	36	.3	.1	22
Transportation by air	45	51.8	29.7	13	51.1	29.2	13	.7	.5	-
Pipe lines, except natural gas	46	.9	.3	16	.8	.3	16	-	-	-
Transportation services	47	7.0	3.8	21	6.9	3.7	21	-	-	-
Communication	48	36.8	19.0	18	35.8	18.7	18	1.0	.4	11
Electric, gas, and sanitary services	49	62.1	31.1	17	60.8	30.8	17	1.4	.3	10

See footnotes at end of table.

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Table 6. Number of occupational injuries and illnesses by industry, 1983 [1]—Continued

Industry [2]	SIC code [3]	Injuries and illnesses			Injuries			Illnesses		
		Total cases (thousands)	Lost workday cases (thousands)	Average lost workdays per lost workday case	Total cases (thousands)	Lost workday cases (thousands)	Average lost workdays per lost workday case	Total cases (thousands)	Lost workday cases (thousands)	Average lost workdays per lost workday case
Wholesale and retail trade [4]		1,186.4	506.0	16	1,177.1	502.5	16	9.3	3.5	19
Wholesale trade [4]		346.2	160.4	16	342.5	159.0	16	3.7	1.4	17
Wholesale trade-durable goods [4]	50	186.5	77.5	15	184.5	76.8	15	2.0	.7	18
Wholesale trade-nondurable goods [4]	51	159.7	82.9	16	158.0	82.2	16	1.7	.7	15
Retail trade [4]		840.2	345.6	16	834.6	343.5	16	5.6	2.1	-
Building materials and garden supplies [4]	52	47.0	20.5	16	46.7	20.4	16	.3	.1	-
General merchandise stores [4]	53	146.1	60.2	14	145.5	59.9	14	-	-	-
Food stores [4]	54	197.2	84.7	18	196.4	84.2	18	.9	.5	29
Automotive dealers and service stations [4]	55	106.1	38.2	16	105.1	38.0	16	.9	-	-
Apparel and accessory stores [4]	56	16.7	7.0	18	16.6	6.9	18	-	-	-
Furniture and home furnishing stores [4]	57	19.2	9.5	17	19.0	9.4	17	.2	-	-
Eating and drinking places [4]	58	252.1	99.1	13	249.8	98.3	13	2.3	-	-
Miscellaneous retail [4]	59	55.8	26.5	18	55.4	26.3	18	.3	-	-
Finance, insurance, and real estate [4]		95.3	42.0	15	93.6	41.2	15	1.6	.8	24
Banking [4]	60	24.8	9.7	13	24.4	9.5	12	.4	.2	28
Credit agencies other than banks [4]	61	7.6	3.1	12	7.4	3.0	11	.1	.1	-
Security, commodity brokers and services [4]	62	2.5	.9	13	2.5	.9	13	[5]	[5]	46
Insurance carriers [4]	63	19.7	8.5	16	19.3	8.3	16	.4	.2	21
Insurance agents, brokers and service [4]	64	3.2	1.1	17	3.1	1.1	-	.1	[5]	31
Real estate [4]	65	35.5	17.8	16	34.8	17.6	16	.6	.2	-
Holding and other investment offices [4]	67	2.0	.8	13	1.9	.8	13	[5]	[5]	23
Services [4]		759.1	355.9	16	738.6	348.5	16	20.5	7.3	17
Hotels and other lodging places [4]	70	81.8	33.7	14	80.5	33.3	14	1.3	.4	14
Personal services [4]	72	20.5	9.8	15	20.0	9.5	15	.5	.3	14
Business services [4]	73	131.1	60.4	16	128.4	59.4	16	2.7	1.0	-
Auto repair, services, and garages [4]	75	38.9	18.1	16	38.5	17.9	16	.4	.2	29
Miscellaneous repair services [4]	76	19.9	9.5	17	19.4	9.3	17	.5	.1	-
Motion pictures [4]	78	6.5	2.5	18	6.3	2.5	18	.1	[5]	21
Amusement and recreation services [4]	79	44.6	19.9	15	43.7	19.5	15	.9	.4	18
Health services [4]	80	296.6	150.1	16	285.9	146.5	16	10.7	3.6	15
Legal services [4]	81	2.4	1.1	24	2.3	1.0	21	.2	.1	60
Educational services [4]	82	28.6	11.7	13	27.8	11.5	13	.8	.2	10
Social services [4]	83	46.9	22.3	15	45.6	21.8	15	1.2	.5	13
Museums, botanical, zoological gardens [4]	84	1.8	.8	13	1.7	.7	12	.1	[5]	39
Membership organizations [4]	86	27.3	10.9	18	26.5	10.5	17	.7	.3	51
Miscellaneous services [4]	89	12.3	5.2	14	11.9	5.1	15	.4	.1	11

[1] To maintain comparability with the rest of the series, a statistical method was used for generating the estimates to represent the small nonfarm employers in low-risk industries who were not surveyed for 1983. The estimating procedure involved averaging the data reported by small employers for the 1980, 1981, and 1982 surveys.

[2] Industry division totals include data for industries not shown separately.

[3] *Standard Industrial Classification Manual*, 1972 Edition, 1977 *Supplement*.

[4] Excludes farms with fewer than 11 employees.

[5] Estimates of fewer than 50 cases.

[6] Data conforming to OSHA definitions for coal and lignite mining (SIC 11 and 12), and metal and nonmetal mining (SIC 10 and 14), and railroads (SIC 40) were provided by the Mine Safety and Health Administration, U.S. Department of Labor, and by the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries.

NOTE: Dashes indicate that data do not meet publication guidelines. Because of rounding, components may not add to totals.

The number of lost workdays for the 2-digit SIC levels shown in this table can be approximated by multiplying the number of lost workday cases by the average lost workdays per lost workday case.

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Table 7. Number of occupational illnesses by industry division and category of illness, 1983

(In thousands)

Industry division	Total illnesses	Number of illnesses by category						
		Skin diseases or disorders	Dust diseases of the lungs	Respiratory conditions due to toxic agents	Poisoning	Disorders due to physical agents	Disorders associated with repeated trauma	All other occupational illnesses
Private sector 1/	106.1	39.5	1.7	7.9	3.0	8.8	26.7	18.4
Agriculture, forestry, and fishing 1/	3.5	2.4	(2)	.1	.2	.1	.1	.4
Mining	1.0	.3	.2	.1	.1	.2	.1	.1
Construction	5.4	2.0	.1	.7	.2	.8	.4	1.2
Manufacturing	59.8	21.0	.9	4.0	1.3	4.7	22.9	4.8
Transportation and public utilities	5.0	2.0	(2)	.6	.2	.6	.6	.9
Wholesale and retail trade	9.3	3.4	.2	.7	.3	.6	.8	3.3
Wholesale trade	3.7	1.3	.1	.2	.1	.2	.5	1.3
Retail trade	5.6	2.1	.1	.5	.2	.4	.4	2.0
Finance, insurance, and real estate	1.6	.5	(2)	.1	.1	.1	.2	.7
Services	20.5	8.0	.2	1.7	.7	1.5	1.6	6.7

1/ Excludes farms with fewer than 11 employees.

2/ Fewer than 50 cases.

Note: Because of rounding, components may not add to totals.

Table 8. Employment and occupational injury and illness fatalities for employers with 11 employees or more by industry division, 1982 and 1983

Industry division	Annual average employment 1/				Fatalities			
	1982		1983		1982		1983	
	Number (thousands)	Percent	Number (thousands)	Percent	Number	Percent	Number	Percent
Private sector	61,646	100	63,981	100	4,090	100	3,100	100
Agriculture, forestry, and fishing	729	1	755	1	180	4	80	3
Mining	1,056	2	864	1	440	11	240	8
Construction	2,894	5	2,916	5	720	18	670	22
Manufacturing	18,197	30	17,887	28	770	19	730	24
Transportation and public utilities	4,630	8	4,566	7	970	24	570	18
Wholesale and retail trade	15,646	25	16,790	26	490	12	440	14
Finance, insurance, and real estate	4,253	7	4,510	7	100	2	70	2
Services	14,242	23	15,694	25	420	10	310	10

1/ Employment is expressed as an annual average and is derived primarily from the BLS-State Current Employment Statistics program. Employment estimates have been adjusted based on data provided by the Annual Survey of Occupational Injuries and Illnesses to exclude establishments with fewer than 11 employees.

NOTE: Because of rounding, components may not add to totals.

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Table 9. Distribution of fatalities by cause: Occupational injury and illness fatalities in units with 11 employees or more, private sector, 1982 and 1983[1]

(In percent)

Cause 2/	Total private sector 3/	Agriculture, forestry, and fishing	Mining--oil and gas extraction only	Construction	Manufacturing	Transportation and public utilities 4/	Wholesale and retail trade	Finance, insurance, and real estate	Services
Total--all causes	100	100	100	100	100	100	100	100	100
Highway vehicles	28	24	18	16	20	47	28	51	32
Falls	12	13	11	26	9	5	7	13	11
Heart attacks	11	3	10	13	11	7	9	13	20
Industrial vehicles or equipment	10	25	14	15	12	4	11	3	4
Assaults	7	1	1	1	2	3	28	10	15
Electrocutions	7	12	2	13	6	5	6	2	4
Caught in, under, or between objects other than vehicles or equipment	5	(5)	5	3	5	11	4	0	1
Struck by objects other than vehicles or equipment	4	3	13	3	7	3	2	0	1
Aircraft crashes	4	2	3	(5)	4	7	1	10	5
Explosions	3	1	5	2	5	2	1	0	1
Fires	2	11	6	2	4	1	(5)	0	(5)
Plant machinery operations	2	0	1	1	7	(5)	2	0	0
Gas inhalation	2	1	8	1	3	2	0	0	(5)
All other	3	3	3	4	5	2	(5)	0	4

1/ It is impossible to estimate year-to-year changes precisely because sampling errors are large at the industry division level. Therefore, the results are for both years rather than a comparison between them.

2/ Cause is defined as the object or event associated with the fatality.

3/ Excludes coal, metal and nonmetal mining, and railroads, for which data are not available.

4/ Excludes railroads.

5/ Less than 1 percent.

NOTE: Because of rounding, percentages may not add to 100.

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Table 10. Distribution of fatalities by industry division: Occupational injury and illness fatalities in units with 11 employees or more, private sector, 1982 and 1983[1]

(In percent)

Cause 2/	Total private sector 3/	Agriculture, forestry, and fishing	Mining--oil and gas extraction only	Construction	Manufacturing	Transportation and public utilities 4/	Wholesale and retail trade	Finance, insurance, and real estate	Services
Highway vehicles	100	3	4	12	17	33	14	5	13
Falls	100	4	5	43	18	9	8	3	10
Heart attacks	100	1	5	23	24	12	11	3	20
Industrial vehicles or equipment	100	10	7	29	26	8	15	1	5
Assaults	100	1	1	2	6	7	56	4	24
Electrocutions	100	7	2	37	22	14	12	1	6
Caught in, under, or between objects other than vehicles or equipment	100	(5)	6	13	26	42	12	0	2
Struck by objects other than vehicles or equipment	100	3	19	15	39	13	7	0	4
Aircraft crashes	100	2	5	2	25	38	4	7	16
Explosions	100	1	10	12	48	17	7	0	5
Fires	100	19	14	14	37	11	2	0	2
Plant machinery operations	100	1	2	13	70	1	14	0	0
Gas inhalation	100	3	25	10	44	11	0	0	2
All other	100	5	6	25	35	14	2	0	13

1/ It is impossible to estimate year-to-year changes precisely because sampling errors are large at the industry division level. Therefore, the results are for both years rather than a comparison between them.

2/ Cause is defined as the object or event associated with the fatality.

3/ Excludes coal, metal and nonmetal mining, and railroads, for which data are not available.

4/ Excludes railroads.

5/ Less than 1 percent.

NOTE: Because of rounding, percentages may not add to 100.

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Appendix: Scope of Survey and Technical Notes

Scope of survey

The occupational injury and illness data reported through the annual survey are based on records which employers in the following industries maintain under the Occupational Safety and Health Act: Agriculture, forestry, and fishing, SIC 01-09; oil and gas extraction, SIC 13; construction, SIC 15-17; manufacturing, SIC 20-39; transportation and public utilities, SIC 41-42 and 44-49; wholesale and retail trade, SIC 50-59; finance, insurance, and real estate, SIC 60-67; and services, SIC 70-87 and 89. Excluded from the survey are self-employed individuals; farmers with fewer than 11 employees; employers regulated by other Federal safety and health laws; and Federal, State, and local government agencies.

Data conforming to definitions of recordable occupational injuries and illnesses for coal, metal, and nonmetal mining, and railroad transportation are provided by the Mine Safety and Health Administration, U.S. Department of Labor, and the Federal Railroad Administration, U.S. Department of Transportation.

The Occupational Safety and Health Administration is responsible for the collection and compilation of comparable data for Federal agencies. Although State and local government agencies are not surveyed for national estimates, several States have legislation which enables them to collect data for this sector.

The 1983 survey sample was composed of approximately 280,000 sample units. Original and follow-up mailings resulted in a response rate of 95 percent.

Sample

Because the survey is a Federal-State cooperative program and the data must meet the needs of participating State agencies, an independent sample is selected for each State. The sample is selected to represent all private industries in the States and territories. The sample size for the survey is dependent upon (1) the characteristics for which estimates are needed, (2) the industries for which estimates are desired, (3) the characteristics of the population being sampled, (4) the target reliablility of the estimates, and (5) the survey design employed.

While there are many characteristics upon which the sample design could be based, the total recorded case incidence rate is used because it is one of the most important characteristics and the least variable; therefore, it requires the smallest sample size.

The salient features of the sample design employed are its use of stratified random sampling with a Neyman allocation and a ratio estimator. The characteristics used to stratify the establishments are the Standard Industrial Classification (SIC) code and employment. Since these characteristics are highly correlated with an establishment's number and rate of recorded injuries and illnesses, stratified sampling provides greater precision and, thus, results in a smaller sample size. The Neyman allocation produces the minimum sample size which will provide an estimate with a given sampling variance. For the larger employment size classes, the allocation procedure places all of the establishments of the frame in the sample; as employment decreases, smaller and smaller proportions of establishments are included in the sample. The certainty strata are usually the size groups with more than 100 employees. The precision of the sample is further improved, hence permitting a reduction in sample size, by using the ratio estimator which utilizes available auxiliary information (employment) that is correlated with the characteristics which are to be measured.

The sample is designed to produce data at the 2-digit SIC industry level in agriculture, forestry, and fishing; the 3-digit level in oil and gas extraction, construction, transportation and public utilities, wholesale and retail trade, and finance, insurance, and real estate, and services; and the 4-digit level in manufacturing.

Estimating procedures

Weighting. By means of a weighting procedure, sample units are made to represent all units in their size class for a praticular industry. The weight is determined by the inverse of the sampling ratio for the industry/employment-size class from which the unit was selected. Because a small proportion of survey forms are not returned, weights of responding employers in a sampling cell are adjusted to account for the nonrespondents. The respondents are then shifted into the estimating cell determined by the employment and business activity reported. Data for each unit are multiplied by the appropriate weight and nonresponse adjustment factor. The products are then aggregated to obtain a total for the estimating cell.

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Benchmarking. Since the universe file which provides the sample frame is not current to the reference year of the survey, it is necessary to adjust the data to reflect current employment levels. In the annual survey, all estimates of totals are adjusted by the benchmark factor at the estimating cell level. The benchmarking procedure requires a source of accurate employment data which can be converted into annual average employment figures for the cell level in which separate estimates are desired. Because industry/employment-size data are required for national estimates, benchmark factors are calculated using both industry-level employment data and size-class-level employment data. The benchmark factors are applied to the size class "blow up" estimates.

Federal-State cooperation

To eliminate duplicate reporting by respondents and to insure maximum comparability of estimates, survey respondents complete a single reporting form which is then used for national and State estimates.

Industrial classification

Reporting units are classified into industries by their principal product or activity. The data are tabulated according to the 1972 edition of the *Standard Industrial Classification Manual,* 1977 *Supplement.*

Reliability of estimates

All estimates derived from a sample survey are subject to sampling and nonsampling errors. Sampling errors occur because observations are made on a sample, not on the entire population. Estimates based on the different possible samples of the same size and sample design could differ. The relative standard errors, which are a measure of the sampling error in the estimates, are calculated as part of the survey's estimation process.

When applied to the estimates, the sampling error serves to define the confidence interval or range that would include the comparable complete coverage value. The chances are about 2 out of 3 that the estimate would have been produced in the range of 1 standard error above to 1 standard error below the estimated value, and about 19 out of 20 that the estimate would have been in the range of 2 standard errors above and below the estimated value.

As an example of the use of relative standard errors, the total case incidence rate for general building contractors (SIC 15) is 14.4 per 100 full-time workers, with a sampling error of 2 percent. The chances are 2 out of 3 that a complete census would produce a rate between 14.7 and 14.1, and the chances are 19 out of 20 that the rate produced from a complete count would be between 15.0 and 13.8. Similarly, the number of occupational injuries and illnesses estimated for SIC 15 was 120,755 with a relative error of 2 percent. Thus, the chances are 2 out of 3 that a census would show a number between 123,200 and 118,300 and 19 out of 20 that the number would be within a range of 125,600 and 115.900.

Nonsampling errors in the estimates can be attributed to many sources, e.g., inability to obtain information about all cases in the sample, mistakes in recording or coding the data, definitional difficulties, etc. To minimize the nonsampling errors in the estimates, the completed forms are edited and apparent inconsistencies are checked.

Publication guidelines

The estimating procedure generates occupational injury and illness estimates for approximately 835 SIC codes. This publication, however, excludes estimates for several industry codes if one of the following situations occurred:

1. Estimates for the industry were based on reports from fewer than three companies. Moreover, if three or more companies reported data for the industry, one firm could employ no more than 50 percent of the workers, or two companies combined could employ no more than 75 percent.

2. Annual average employment for the industry in 1983 was less than 10,000. However, estimates for an industry with an annual average employment of less than 10,000 were published if the majority of the employment was reported in the survey.

3. The relative standard error on lost workday cases for the industry at 1 standard error was more than 15 percent in manufacturing and 20 percent in nonmanufacturing.

4. The benchmark factor for the industry was less than 0.90 or greater than 1.49.

Data for an unpublished industry were included in the total for the broader industry level of which it is a part. Also, selected items of data were suppressed for publishable industries if the sampling error for the estimate equaled or exceeded 60 percent.

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Table A-1. Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1983

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Private sector		(3)	1	1	1	(3)	1	1	1
Agriculture, forestry, and fishing		2	2	2	3	2	2	2	3
Agricultural production	01-02	2	3	3	4	2	3	3	4
Agricultural services	07	3	3	4	6	3	3	4	6
Forestry	08	7	9	9	16	8	9	10	16
Fishing, hunting, and trapping	09	12	12	17	18	12	12	17	18
Mining		5	5	7	7	5	5	7	7
Oil and gas extraction	13	6	7	8	11	6	7	8	11
Crude petroleum and natural gas	131	9	12	10	15	9	12	10	15
Oil and gas field services	138	7	8	10	12	7	8	10	12
Construction		1	1	1	2	1	1	1	2
General building contractors	15	2	3	3	4	2	3	3	3
Residential building construction	152	3	4	4	7	3	4	4	7
Operative builders	153	8	9	9	14	8	9	9	14
Nonresidential building construction	154	3	4	3	6	3	4	3	6
Heavy construction contractors	16	2	3	3	4	3	3	3	4
Highway and street construction	161	4	5	5	7	4	5	5	7
Heavy construction, except highway	162	3	4	3	5	3	4	3	5
Special trade contractors	17	1	1	2	2	1	1	2	2
Plumbing, heating, and air-conditioning	171	2	3	3	3	2	3	3	3
Painting, paperhanging, and decorating	172	5	6	7	10	5	6	7	10
Electrical work	173	2	3	3	6	2	3	3	6
Masonry, stonework, and plastering	174	3	4	4	7	3	4	4	7
Carpentering and flooring	175	6	6	7	11	6	6	7	11
Roofing and sheet-metal work	176	4	4	5	7	4	4	5	7
Concrete work	177	6	7	7	10	6	7	7	10
Water well drilling	178	5	6	6	17	5	6	6	17
Miscellaneous special trade contractors	179	3	4	4	4	6	3	4	6
Manufacturing		(3)	(3)	(3)	1	(3)	(3)	(3)	1
Durable goods		(3)	(3)	1	1	(3)	(3)	1	1
Lumber and wood products	24	1	1	1	2	1	1	1	2
Logging camps and logging contractors	241	4	4	5	6	4	4	5	6
Sawmills and planing mills	242	2	2	3	3	2	2	3	4
Sawmills and planing mills, general	2421	2	3	3	4	2	3	3	4
Hardwood dimension and flooring	2426	3	4	4	8	3	4	4	8
Millwork, plywood, and structural members	243	1	2	2	3	1	2	2	3
Millwork	2431	2	3	3	4	2	3	3	4
Wood kitchen cabinets	2434	3	3	3	8	3	3	3	8
Hardwood veneer and plywood	2435	2	3	3	5	2	3	3	5
Softwood veneer and plywood	2436	4	5	6	5	4	5	6	5
Structural wood members, n.e.c	2439	4	4	5	6	4	4	5	6
Wood containers	244	4	5	5	8	4	5	5	8
Nailed wood boxes and shook	2441	5	5	7	9	5	5	7	9
Wood pallets and skids	2448	5	7	7	11	5	7	7	11
Wood containers, n.e.c	2449	8	7	10	7	7	7	10	7
Wood buildings and mobile homes	245	3	3	3	3	2	3	3	3
Mobile homes	2451	3	3	4	4	3	3	4	4
Prefabricated wood buildings	2452	5	7	6	9	5	7	6	9
Miscellaneous wood products	249	3	3	3	6	3	3	3	6
Wood preserving	2491	4	5	5	8	4	5	5	8
Particleboard	2492	2	3	3	12	2	3	3	12
Wood products, n.e.c	2499	3	4	4	8	3	4	4	8

See footnotes at end of table.

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Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1983

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Furniture and fixtures	25	1	2	2	2	1	2	2	2
Household furniture	251	2	2	2	3	1	2	2	3
Wood household furniture	2511	3	4	3	5	3	4	3	5
Upholstered household furniture	2512	4	4	5	6	4	4	5	6
Metal household furniture	2514	4	5	5	7	4	5	5	7
Mattresses and badsprings	2515	4	5	5	8	4	5	5	8
Wood TV and radio cabinets	2517	6	7	7	5	7	7	7	5
Household furniture, n.e.c.	2519	7	5	10	6	7	5	10	6
Office furniture	252	3	3	4	4	3	4	4	5
Wood office furniture	2521	6	7	7	10	6	7	7	10
Metal office furniture	2522	3	3	4	3	3	4	5	3
Public building and related furniture	253	3	5	3	4	3	5	4	4
Partitions and fixtures	254	3	4	4	6	3	4	4	6
Wood partitions and fixtures	2541	4	5	3	10	4	5	5	9
Metal partitions and fixtures	2542	5	5	6	6	4	5	6	5
Miscellaneous furniture and fixtures	259	4	6	4	7	4	6	4	7
Drapery hardware and blinds and shades	2591	3	4	3	4	3	4	3	4
Furniture and fixtures, n.e.c.	2599	8	12	8	15	8	12	8	15
Stone, clay, and glass products	32	1	1	1	2	1	1	1	2
Flat glass	321	9	9	10	10	9	9	10	10
Glass and glassware, pressed or blown	322	3	3	3	3	2	3	3	2
Glass containers	3221	3	2	4	2	3	2	2	4
Pressed and blown glass, n.e.c.	3229	5	7	5	7	5	7	5	7
Products of purchased glass	323	4	4	4	4	4	4	4	4
Structural clay products	325	3	4	4	6	3	4	4	5
Brick and structural clay tile	3251	3	3	4	5	3	3	4	5
Ceramic wall and floor tile	3253	8	13	11	13	9	13	11	13
Clay refractories	3255	6	7	7	7	6	7	7	7
Structural clay products, n.e.c.	3259	8	9	8	23	8	9	8	23
Pottery and related products	326	2	2	2	2	2	2	2	2
Vitreous plumbing fixtures	3261	2	2	4	2	2	2	2	4
Vitreous china food utensils	3262	(3)	(3)	1	1	(3)	(3)	1	(3)
Fine earthenware food utensils	3263	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Porcelain electrical supplies	3264	2	3	3	3	3	3	3	3
Pottery products, n.e.c.	3269	6	8	7	11	6	9	7	14
Concrete, gypsum, and plaster products	327	2	2	2	5	2	2	2	5
Concrete block and brick	3271	3	5	4	8	3	5	4	8
Concrete products, n.e.c.	3272	3	4	4	9	3	4	4	9
Ready-mix concrete	3273	3	4	4	7	3	4	4	7
Gypsum products	3275	9	10	10	8	8	10	9	8
Cut stone and stone products	328	7	8	8	14	7	8	8	14
Miscellaneous nonmetallic mineral products	329	2	3	3	4	2	3	3	4
Abrasive products	3291	6	5	8	5	6	5	8	5
Asbestos products	3292	4	6	7	4	4	5	7	4
Gaskets, packing, and sealing devices	3293	5	9	6	9	5	9	6	7
Mineral wool	3296	6	7	8	7	6	7	8	7
Nonclay refractories	3297	4	5	6	15	5	5	6	15
Nonmetallic mineral products, n.e.c.	3299	7	10	6	16	7	11	7	16
Primary metal industries	33	1	1	2	2	1	1	2	2
Blast furnace and basic steel products	331	3	4	3	3	3	4	3	3
Blast furnaces and steel mills	3312	4	5	4	4	4	5	4	4
Electrometallurgical products	3313	3	2	4	2	3	2	4	2
Steel wire and related products	3315	7	9	7	11	7	8	8	11
Cold finishing of steel shapes	3316	4	5	4	8	4	5	4	8
Steel pipe and tubes	3317	4	5	5	5	4	5	5	5
Iron and steel foundries	332	2	3	3	4	2	3	3	4
Gray iron foundries	3321	3	3	4	6	3	3	4	6
Malleable iron foundries	3322	5	7	5	6	5	7	5	6
Steel investment foundries	3324	3	4	4	4	3	3	5	4
Steel foundries, n.e.c.	3325	4	5	5	4	4	5	5	4

See footnotes at end of table.

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Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1983

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Primary nonferrous metals	333	2	1	3	1	2	1	3	1
Primary copper	3331	1	(3)	3	1	1	(3)	3	1
Primary lead	3332	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Primary zinc	3333	15	10	19	1	12	11	12	1
Primary aluminum	3334	2	2	5	1	2	2	5	1
Primary nonferrous metals, n.e.c.	3339	4	5	7	5	4	5	6	5
Secondary nonferrous metals	334	5	6	6	8	5	6	6	8
Nonferrous rolling and drawing	335	3	3	4	3	3	3	4	3
Copper rolling and drawing	3351	4	5	5	5	4	5	5	5
Aluminum sheet, plate, and foil	3353	4	3	5	4	4	3	5	4
Aluminum extruded products	3354	4	5	5	6	4	5	5	6
Aluminum rolling and drawing, n.e.c.	3355	3	2	5	2	3	2	5	2
Nonferrous rolling and drawing, n.e.c.	3356	3	3	4	5	3	3	4	6
Nonferrous wire drawing and insulating	3357	6	5	8	6	6	5	8	6
Nonferrous foundries	336	2	3	3	5	2	3	3	4
Aluminum foundries	3361	4	4	5	6	4	4	5	6
Brass, bronze, and copper foundries	3362	4	6	5	13	4	6	5	9
Nonferrous foundries, n.e.c.	3369	4	5	5	9	4	5	5	10
Miscellaneous primary metal products	339	4	5	4	5	4	5	4	5
Metal heat treating	3398	5	6	6	7	5	6	6	6
Primary metal products, n.e.c.	3399	5	8	5	7	5	8	5	7
Fabricated metal products	34	1	1	1	1	1	1	1	1
Metal cans and shipping containers	341	2	3	3	3	2	3	3	3
Metal cans	3411	3	3	3	4	3	3	3	4
Metal barrels, drums, and pails	3412	4	5	5	7	4	5	5	7
Cutlery, handtools, and hardware	342	2	3	3	4	2	3	3	4
Cutlery	3421	8	5	12	6	9	6	12	7
Hand and edge tools, n.e.c.	3423	4	6	5	9	4	7	5	9
Handsaws and saw blades	3425	5	5	7	7	5	5	7	7
Hardware, n.e.c.	3429	3	3	4	5	3	4	4	6
Plumbing and heating, except electric	343	3	5	4	3	3	5	4	4
Metal sanitary ware	3431	4	4	4	6	4	4	4	7
Plumbing fittings and brass goods	3432	4	3	7	4	4	3	7	3
Heating equipment, except electric	3433	6	9	6	7	5	10	6	7
Fabricated structural metal products	344	1	2	2	3	1	2	2	3
Fabricated structural metal	3441	3	3	4	7	3	3	3	7
Metal doors, sash, and trim	3442	3	3	4	8	3	4	4	8
Fabricated plate work	3443	4	4	5	6	4	4	5	7
Sheet-metal work	3444	3	3	3	4	3	3	3	4
Architectural metal work	3446	5	6	7	12	5	6	7	9
Prefabricated metal buildings	3448	4	6	5	8	4	6	5	8
Miscellaneous metal work	3449	6	8	7	9	6	8	7	9
Screw machine products, bolts, etc.	345	2	3	3	4	2	3	3	4
Screw machine products	3451	3	4	3	6	3	4	3	6
Bolts, nuts, rivets, and washers	3452	3	5	4	5	3	5	4	5
Metal forgings and stampings	346	2	2	2	3	2	2	3	3
Iron and steel forgings	3462	4	4	5	4	4	4	5	4
Nonferrous forgings	3463	2	5	2	3	2	5	2	3
Automotive stampings	3465	4	4	5	6	3	4	5	5
Crowns and closures	3466	1	4	3	3	1	4	3	3
Metal stampings, n.e.c.	3469	3	4	4	5	3	4	4	5
Metal services, n.e.c.	347	3	4	3	5	3	4	3	5
Plating and polishing	3471	3	4	4	6	3	4	4	6
Metal coating and allied services	3479	6	9	6	10	6	10	6	10
Ordnance and accessories, n.e.c.	348	2	2	2	2	2	2	3	2
Small arms ammunition	3482	8	11	8	12	8	11	8	12
Ammunition, except for small arms, n.e.c.	3483	3	4	3	3	3	4	4	3
Small arms	3484	3	2	5	3	3	2	5	4
Ordnance and accessories, n.e.c.	3489	1	2	2	3	1	2	2	3
Miscellaneous fabricated metal products	349	2	2	3	3	2	3	3	4
Steel springs, except wire	3493	4	5	6	10	4	5	6	10
Valves and pipe fittings	3494	4	4	6	4	4	4	6	4
Wire springs	3495	4	5	4	8	4	5	4	8
Miscellaneous fabricated wire products	3496	4	5	5	6	4	5	5	6
Metal foil and leaf	3497	6	9	8	10	5	9	7	10
Fabricated pipe and fittings	3498	7	8	10	13	7	8	10	12
Fabricated metal products, n.e.c.	3499	6	8	8	12	6	8	8	12

See footnotes at end of table.

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Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1983

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Machinery, except electrical	35	1	1	1	2	1	1	1	2
Engines and turbines	351	3	3	4	3	3	4	4	4
Turbines and turbine generator sets	3511	4	6	4	8	4	6	4	8
Internal combustion engines, n.e.c.	3519	4	4	4	4	4	4	5	4
Farm and garden machinery	352	4	4	5	6	4	4	5	6
Farm machinery and equipment	3523	5	5	6	7	5	5	6	7
Lawn and garden equipment	3524	5	5	6	8	5	5	6	9
Construction and related machinery	353	2	3	3	4	2	3	3	4
Construction machinery	3531	5	6	5	6	5	6	6	5
Mining machinery	3532	4	5	6	6	4	5	6	6
Oil field machinery	3533	4	6	5	12	4	6	5	12
Elevators and moving stairways	3534	4	5	5	7	4	5	5	7
Conveyors and conveying equipment	3535	7	9	9	9	7	9	9	9
Hoists, cranes, and monorails	3536	4	5	4	8	4	5	4	8
Industrial trucks and tractors	3537	5	6	5	6	5	6	5	6
Metalworking machinery	354	3	4	4	5	3	4	4	5
Machine tools, metal cutting types	3541	4	5	5	10	4	5	5	10
Machine tools, metal forming types	3542	5	4	6	14	5	5	7	14
Special dies, tools, jigs, and fixtures	3544	5	8	7	9	5	8	7	10
Machine tool accessories	3545	4	8	5	10	4	8	5	10
Power driven handtools	3546	4	5	4	7	4	6	5	8
Rolling mill machinery	3547	5	6	6	6	5	6	6	6
Metalworking machinery, n.e.c.	3549	6	7	6	9	6	7	6	9
Special industry machinery	355	2	3	2	4	2	3	2	4
Food products machinery	3551	4	5	4	8	4	5	4	9
Textile machinery	3552	4	6	4	9	4	6	4	9
Woodworking machinery	3553	4	5	6	6	4	5	6	7
Paper industries machinery	3554	4	4	4	8	4	4	4	8
Printing trades machinery	3555	6	8	8	11	6	8	8	11
Special industry machinery, n.e.c.	3559	4	5	5	7	4	5	5	7
General industrial machinery	356	2	2	2	3	2	2	2	3
Pumps and pumping equipment	3561	3	4	4	6	3	4	4	6
Ball and roller bearings	3562	3	4	4	3	3	4	4	3
Air and gas compressors	3563	5	6	7	6	5	6	7	6
Blowers and fans	3564	5	5	6	9	4	5	6	10
Industrial patterns	3565	6	8	7	32	6	8	7	35
Speed changers, drives, and gears	3566	7	7	8	6	7	7	8	6
Industrial furnaces and ovens	3567	6	6	6	17	5	6	6	17
Power transmission equipment, n.e.c.	3568	5	7	5	10	5	7	6	10
General industrial machinery, n.e.c.	3569	4	5	5	6	4	4	5	6
Office and computing machines	357	3	4	4	6	3	4	4	6
Typewriters	3572	24	9	18	6	14	9	18	6
Electronic computing equipment	3573	4	4	5	7	4	5	5	7
Scales and balances, except laboratory	3576	5	6	6	18	5	6	6	7
Office machines, n.e.c.	3579	3	5	4	6	3	5	4	6
Refrigeration and service machinery	358	2	4	3	4	2	4	3	4
Automatic merchandising machines	3581	8	7	9	11	7	7	9	11
Commercial laundry equipment	3582	4	5	3	4	4	5	4	4
Refrigeration and heating equipment	3585	3	5	4	5	3	5	4	5
Measuring and dispensing pumps	3586	3	4	3	10	3	4	3	10
Service industry machinery, n.e.c.	3589	5	6	6	8	5	6	6	8
Miscellaneous machinery, except electrical	359	3	4	3	7	3	4	3	7
Carburetors, pistons, rings, valves	3592	2	2	3	5	2	2	3	5
Machinery, except electrical, n.e.c.	3599	3	4	4	8	3	4	4	8
Electric and electronic equipment	36	1	1	1	1	1	1	1	2
Electric distributing equipment	361	4	4	4	5	4	5	4	6
Transformers	3612	5	6	6	7	5	6	6	7
Switchgear and switchboard apparatus	3613	5	6	6	8	6	7	7	8
Electrical industrial apparatus	362	3	3	4	4	3	3	4	4
Motors and generators	3621	5	5	7	6	5	5	7	7
Industrial controls	3622	5	5	5	5	5	5	5	5
Welding apparatus, electric	3623	3	3	4	3	3	3	4	2
Carbon and graphite products	3624	6	4	9	7	6	5	10	8
Electrical industrial apparatus, n.e.c.	3629	9	9	12	9	9	9	12	10
Household appliances	363	1	2	2	1	2	2	2	2
Household cooking equipment	3631	3	4	3	3	3	4	3	3
Household refrigerators and freezers	3632	2	2	2	2	2	3	2	3
Household laundry equipment	3633	1	1	1	2	1	1	1	2
Electric housewares and fans	3634	5	7	5	5	5	8	5	6
Household vacuum cleaners	3635	1	1	2	1	1	2	2	4
Sewing machines	3636	8	4	12	19	9	5	13	22
Household appliances, n.e.c.	3639	1	1	2	3	1	1	2	3

See footnotes at end of table.

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Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1983

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Electric lighting and wiring equipment	364	2	3	3	3	2	3	3	3
Electric lamps	3641	10	11	10	11	10	11	10	11
Current-carrying wiring devices	3643	5	5	6	7	4	5	5	7
Noncurrent-carrying wiring devices	3644	3	3	4	6	3	3	4	7
Residential lighting fixtures	3645	6	6	8	8	6	7	8	8
Commercial lighting fixtures	3646	4	6	4	6	4	6	4	6
Vehicular lighting equipment	3647	6	6	9	9	6	6	9	10
Lighting equipment, n.e.c.	3648	4	6	5	8	4	6	5	8
Radio and TV receiving equipment	365	5	5	6	6	5	5	6	6
Radio and TV receiving sets	3651	5	7	6	8	6	7	6	8
Phonograph records	3652	11	7	17	7	11	7	17	7
Communication equipment	366	4	4	5	4	4	4	5	5
Telephone and telegraph apparatus	3661	15	5	8	9	6	5	8	10
Radio and TV communication equipment	3662	5	5	6	5	5	5	6	5
Electronic components and accessories	367	2	2	3	4	2	2	3	4
Electron tubes, receiving type	3671	(3)	1	1	2	(3)	1	1	2
Cathode ray television picture tubes	3672	2	2	1	1	2	2	1	1
Electron tubes, transmitting	3673	3	7	4	5	3	8	4	6
Semiconductors and related devices	3674	5	4	8	6	5	4	8	5
Electronic capacitors	3675	7	6	8	23	7	7	8	24
Electronic resistors	3676	5	4	8	4	5	4	8	4
Electronic coils and transformers	3677	5	7	6	7	6	8	6	8
Electronic connectors	3678	3	2	4	5	3	2	4	5
Electronic components, n.e.c.	3679	4	4	4	7	4	4	5	7
Miscellaneous electrical equipment and supplies	369	2	3	3	3	3	3	3	3
Storage batteries	3691	4	5	5	5	4	5	6	5
X-ray apparatus and tubes	3693	6	7	7	7	6	7	7	7
Engine electrical equipment	3694	5	5	5	5	5	5	5	5
Electrical equipment and supplies, n.e.c.	3699	5	4	7	6	5	4	7	7
Transportation equipment	37	1	2	2	2	1	2	2	2
Motor vehicles and equipment	371	2	3	3	3	2	3	3	4
Motor vehicles and car bodies	3711	5	7	6	8	6	7	6	9
Truck and bus bodies	3713	3	4	4	7	3	4	4	7
Motor vehicle parts and accessories	3714	3	4	4	4	3	4	4	4
Truck trailers	3715	4	4	5	6	4	4	5	6
Self-contained mobile homes	3716	5	4	8	10	6	4	9	10
Aircraft and parts	372	2	2	3	4	2	2	2	4
Aircraft	3721	3	3	3	2	2	3	2	2
Aircraft engines and engine parts	3724	3	4	5	8	3	4	5	9
Aircraft equipment, n.e.c.	3728	4	5	5	7	4	5	5	7
Ship and boat building and repairing	373	3	3	4	4	3	3	4	4
Ship building and repairing	3731	3	3	5	4	4	3	5	4
Boat building and repairing	3732	3	4	4	12	3	4	4	12
Railroad equipment	374	5	6	6	7	5	6	6	7
Motorcycles, bicycles, and parts	375	8	10	10	24	8	10	10	27
Guided missiles, space vehicles, and parts	376	2	2	2	3	1	1	2	3
Guided missiles and space vehicles	3761	2	1	2	3	2	1	2	3
Space propulsion units and parts	3764	6	7	6	10	4	3	6	9
Space vehicle equipment, n.e.c.	3769	4	8	2	15	4	8	2	16
Miscellaneous transportation equipment	379	2	3	3	4	3	3	3	4
Travel trailers and campers	3792	3	4	4	7	3	4	4	7
Tanks and tank components	3795	2	2	2	1	2	2	2	1
Transportation equipment	3799	6	7	7	10	6	7	7	10
Instruments and related products	38	2	2	3	3	2	2	3	3
Engineering and scientific instruments	381	8	11	8	16	8	11	8	17
Measuring and controlling devices	382	3	4	4	4	3	4	4	4
Environmental controls	3822	9	14	11	6	10	14	11	6
Process control instruments	3823	5	5	7	12	5	5	7	12
Fluid meters and counting devices	3824	5	6	6	11	5	6	6	12
Instruments to measure electricity	3825	4	4	6	6	4	4	6	6
Measuring and controlling devices, n.e.c.	3829	9	12	12	19	9	12	12	18
Optical instruments and lenses	383	8	6	10	8	8	6	10	8

See footnotes at end of table.

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Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1983

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Medical instruments and supplies	384	3	3	4	5	3	3	4	6
Surgical and medical instruments	3841	4	5	6	5	4	5	6	5
Surgical appliances and supplies	3842	5	5	6	9	5	5	7	10
Dental equipment and supplies	3843	6	5	8	7	6	5	8	7
Ophthalmic goods	385	8	7	11	12	8	7	12	12
Photographic equipment and supplies	386	7	7	8	7	6	7	7	8
Miscellaneous manufacturing industries	39	2	2	2	3	2	2	2	3
Jewelry, silverware, and plated ware	391	7	7	8	6	5	5	7	6
Silverware and plated ware	3914	4	3	9	3	4	3	9	3
Jewelers' materials and lapidary work	3915	9	13	9	22	9	13	9	22
Musical instruments	393	3	6	4	11	3	6	4	11
Toys and sporting goods	394	3	4	4	5	3	4	4	6
Games, toys, and children's vehicles	3944	4	4	6	9	4	4	6	9
Sporting and athletic goods, n.e.c.	3949	4	6	5	7	4	6	5	7
Pens, pencils, office and art supplies	395	2	2	3	3	2	2	4	3
Pens and mechanical pencils	3951	4	4	5	3	4	5	6	4
Lead pencils and art goods	3952	4	3	5	4	4	3	5	4
Marking devices	3953	5	7	6	10	5	7	6	10
Carbon paper and inked ribbons	3955	6	4	12	7	6	4	12	7
Costume jewelry and notions	396	5	6	5	10	5	6	5	10
Costume jewelry	3961	9	12	8	19	10	13	9	20
Miscellaneous manufactures	399	3	3	3	4	3	3	3	4
Brooms and brushes	3991	5	4	8	9	6	5	9	10
Signs and advertising displays	3993	4	5	5	7	4	5	5	7
Burial caskets	3995	3	5	5	14	4	5	5	15
Hard surface floor coverings	3996	2	2	3	3	3	2	3	3
Manufacturing industries, n.e.c.	3999	5	6	7	8	5	6	7	8
Nondurable goods		1	1	2	2	1	1	1	1
Food and kindred products	20	1	1	1	1	1	1	1	1
Meat products	201	2	2	2	2	2	2	2	2
Meatpacking plants	2011	2	3	3	3	3	3	3	4
Sausages and other prepared meats	2013	3	3	4	4	3	3	4	4
Poultry dressing plants	2016	3	3	3	4	3	3	3	4
Poultry and egg processing	2017	3	4	4	6	3	4	4	6
Dairy products	202	3	4	4	8	3	4	4	8
Creamery butter	2021	7	7	9	11	7	6	9	8
Cheese, natural and processed	2022	4	6	4	7	4	6	5	7
Condensed and evaporated milk	2023	4	6	4	5	4	6	4	6
Ice cream and frozen desserts	2024	6	6	8	7	6	6	8	7
Fluid milk	2026	5	6	6	14	5	6	6	14
Preserved fruits and vegetables	203	2	2	3	3	2	2	3	3
Canned specialties	2032	6	6	7	7	6	6	7	7
Canned fruits and vegetables	2033	4	5	6	7	5	5	6	7
Dehydrated fruits, vegetables, soups	2034	4	4	6	4	4	4	6	3
Pickles, sauces, and salad dressings	2035	5	5	6	6	5	5	6	6
Frozen fruits and vegetables	2037	4	4	5	5	4	4	5	4
Frozen specialties	2038	5	5	7	5	5	5	7	5
Grain mill products	204	3	3	3	5	3	3	3	5
Flour and other grain mill products	2041	4	4	6	7	4	4	6	7
Cereal breakfast foods	2043	3	3	6	2	3	3	6	2
Rice milling	2044	4	5	5	10	4	5	5	10
Blended and prepared flour	2045	5	7	6	11	5	7	6	11
Wet corn milling	2046	3	4	3	6	3	4	3	6
Dog, cat, and other pet food	2047	7	10	7	10	7	9	8	10
Prepared feeds, n.e.c.	2048	6	8	7	12	6	8	7	12
Bakery products	205	2	3	3	4	2	3	3	4
Bread, cake, and related products	2051	3	3	4	5	3	3	4	5
Cookies and crackers	2052	6	8	6	5	6	8	6	5

See footnotes at end of table.

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Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1983

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Sugar and confectionery products	206	2	2	3	4	2	2	3	4
Raw cane sugar	2061	3	5	4	4	3	4	4	4
Cane sugar refining	2062	1	1	2	1	1	1	2	1
Beet sugar	2063	5	5	8	4	5	5	8	4
Confectionery products	2065	4	4	5	8	4	4	5	8
Chocolate and cocoa products	2066	6	13	6	6	7	14	6	7
Chewing gum	2067	3	4	4	4	3	4	4	3
Fats and oils	207	2	3	3	3	2	3	3	3
Cottonseed oil mills	2074	3	4	4	6	3	4	4	6
Soybean oil mills	2075	6	9	7	7	6	9	7	8
Vegetable oil mills, n.e.c.	2076	5	6	5	14	5	6	5	14
Animal and marine fats and oils	2077	3	3	4	6	3	3	4	6
Shortening and cooking oils	2079	5	6	5	5	5	6	5	5
Beverages	208	2	2	2	3	2	2	2	3
Malt beverages	2082	2	5	2	5	2	5	2	5
Malt	2083	3	3	3	4	3	3	3	4
Wines, brandy, and brandy spirits	2084	4	6	3	4	4	6	3	4
Distilled liquor, except brandy	2085	4	3	6	6	4	3	7	6
Bottled and canned soft drinks	2086	2	2	3	3	2	2	3	3
Flavoring extracts and syrups, n.e.c.	2087	8	8	11	9	8	8	11	9
Miscellaneous foods and kindred products	209	3	3	3	4	3	3	3	4
Canned and cured seafoods	2091	10	12	10	21	12	12	24	13
Fresh or frozen packaged fish	2092	6	7	6	9	6	7	7	9
Roasted coffee	2095	10	9	15	10	10	9	15	10
Manufactured ice	2097	9	11	12	28	7	11	13	28
Macaroni and spaghetti	2098	2	2	2	1	2	2	2	1
Food preparations, n.e.c.	2099	4	5	5	6	4	5	5	6
Tobacco manufactures	21	1	1	2	1	1	1	2	1
Cigarettes	211	1	(3)	2	(3)	1	(3)	1	(3)
Cigars	212	9	12	14	11	9	12	14	11
Chewing and smoking tobacco	213	5	6	5	13	4	4	5	13
Tobacco stemming and redrying	214	1	2	1	1	1	2	1	1
Textile mill products	22	1	2	2	2	1	2	2	2
Weaving mills, cotton	221	4	4	4	4	4	4	4	4
Weaving mills, synthetics	222	5	11	5	9	5	11	5	9
Weaving and finishing mills, wool	223	3	4	4	4	3	4	5	4
Narrow fabric mills	224	4	5	5	6	4	4	5	6
Knitting mills	225	3	4	4	7	3	4	4	4
Women's hosiery, except socks	2251	14	14	17	12	15	15	17	13
Hosiery, n.e.c.	2252	6	8	8	8	6	9	8	8
Knit outerwear mills	2253	6	8	8	24	6	6	9	11
Knit underwear mills	2254	5	6	7	7	5	6	6	8
Circular knit fabric mills	2257	5	6	5	7	5	6	5	8
Warp knit fabric mills	2258	11	12	13	14	12	12	15	14
Knitting mills, n.e.c.	2259	5	4	7	5	5	4	7	5
Textile finishing, except wool	226	4	6	4	7	4	6	4	7
Finishing plants, cotton	2261	5	7	5	10	5	8	5	10
Finishing plants, synthetics	2262	8	11	10	11	9	11	10	11
Finishing plants, n.e.c.	2269	6	11	7	16	6	10	7	15
Floor covering mills	227	7	7	9	8	7	7	9	8
Woven carpets and rugs	2271	8	8	8	9	8	9	8	10
Tufted carpets and rugs	2272	8	8	10	10	8	8	11	10
Yarn and thread mills	228	3	3	3	4	3	3	3	4
Yarn mills, except wool	2281	4	5	4	5	3	5	4	5
Throwing and winding mills	2282	7	8	8	9	6	8	8	10
Wool yarn mills	2283	5	6	7	13	5	6	7	13
Thread mills	2284	6	4	9	4	6	4	9	4
Miscellaneous textile goods	229	2	3	2	3	2	3	3	3
Felt goods, except woven felts and hats	2291	3	3	5	3	4	3	5	3
Paddings and upholstery filling	2293	3	2	4	3	3	2	4	3
Processed textile waste	2294	6	8	8	9	6	8	8	9
Coated fabrics, not rubberized	2295	4	5	5	6	4	5	5	5
Tire cord and fabric	2296	6	5	7	10	6	5	7	10
Nonwoven fabrics	2297	4	5	5	7	4	5	5	7
Cordage and twine	2298	8	13	9	11	8	13	10	10
Textile goods, n.e.c.	2299	7	7	9	12	8	7	10	12

See footnotes at end of table.

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Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1983

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Apparel and other textile products	23	1	2	2	3	1	2	2	3
Men's and boys' suits and coats	231	4	4	5	5	4	4	5	5
Men's and boys' furnishings	232	2	3	3	4	2	3	3	4
Men's and boys' shirts and nightwear	2321	6	7	7	9	6	7	7	9
Men's and boys' underwear	2322	6	7	9	17	7	5	9	10
Men's and boys' neckwear	2323	12	12	14	18	12	13	14	19
Men's and boys' separate trousers	2327	5	5	7	8	5	5	7	8
Men's and boys' work clothing	2328	4	4	4	6	4	4	5	6
Men's and boys' clothing, n.e.c.	2329	5	8	6	10	5	8	6	10
Women's and misses' outerwear	233	4	5	5	7	4	5	5	7
Women's and misses' blouses and waists	2331	7	10	8	15	7	10	8	15
Women's and misses' dresses	2335	11	13	12	19	11	13	12	19
Women's and misses' suits and coats	2337	8	11	9	14	8	11	9	14
Women's and misses' outerwear, n.e.c.	2339	5	6	6	9	5	6	6	9
Women's and children's undergarments	234	5	5	6	10	5	5	6	10
Women's and children's underwear	2341	6	6	7	13	6	6	7	13
Brassieres and allied garments	2342	6	7	7	12	6	7	7	12
Hats, caps, and millinery	235	6	7	6	18	6	7	6	18
Hats and caps, except millinery	2352	6	7	7	19	6	7	7	19
Children's outerwear	236	6	5	7	6	6	5	7	6
Children's dresses and blouses	2361	8	8	9	9	8	8	9	9
Children's coats and suits	2363	9	7	12	7	9	7	12	7
Miscellaneous apparel and accessories	238	4	5	5	6	4	5	5	6
Fabric dress and work gloves	2381	9	13	10	26	8	11	10	26
Robes and dressing gowns	2384	10	14	13	20	11	15	13	20
Waterproof outergarments	2385	6	3	8	5	6	3	8	5
Leather and sheep lined clothing	2386	13	12	28	12	13	12	29	12
Apparel belts	2387	9	10	9	9	8	10	9	9
Miscellaneous fabricated textile products	239	3	3	3	6	3	3	3	6
Curtains and draperies	2391	10	8	14	12	10	8	15	12
House furnishings, n.e.c.	2392	4	6	5	13	4	6	5	14
Textile bags	2393	9	11	10	10	9	11	10	9
Canvas and related products	2394	6	8	8	11	7	8	8	11
Pleating and stitching	2395	7	8	9	10	7	8	9	10
Automotive and apparel trimmings	2396	7	10	7	17	7	11	7	18
Schiffli and machine embroideries	2397	7	8	8	24	7	8	8	24
Fabricated textile products, n.e.c.	2399	6	7	7	10	6	7	7	10
Paper and allied products	26	1	2	1	2	1	2	1	2
Pulp mills	261	2	3	3	2	2	3	3	2
Paper mills, except building paper	262	3	5	4	5	4	5	4	5
Paperboard mills	263	3	5	3	6	3	5	3	6
Miscellaneous converted paper products	264	2	2	2	3	2	2	3	3
Paper coating and glazing	2641	4	5	5	5	4	5	5	5
Envelopes	2642	3	4	4	4	3	4	4	4
Bags, except textile bags	2643	4	5	5	6	4	5	5	5
Die-cut paper and board	2645	6	6	8	6	6	6	8	6
Pressed and molded pulp goods	2646	5	6	6	6	5	6	6	6
Sanitary paper products	2647	5	5	7	5	5	5	7	5
Stationery products	2648	5	5	6	11	5	5	6	11
Converted paper products, n.e.c.	2649	7	7	8	10	7	8	8	11
Paperboard containers and boxes	265	2	2	2	3	2	2	2	3
Folding paperboard boxes	2651	3	4	4	5	3	4	4	5
Set-up paperboard boxes	2652	5	5	7	8	5	5	7	8
Corrugated and solid fiber boxes	2653	3	4	4	5	3	4	4	5
Sanitary food containers	2654	3	4	5	5	3	4	5	5
Fiber cans, drums, and similar products	2655	5	4	6	6	5	4	6	6
Printing and publishing	27	2	2	2	3	2	2	2	3
Newspapers	271	3	3	4	4	3	3	4	4
Periodicals	272	12	8	19	8	12	8	20	8

See footnotes at end of table.

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Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1983

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Books	273	4	5	5	16	4	5	5	16
Book publishing	2731	6	7	7	29	6	7	7	29
Miscellaneous publishing	274	8	12	9	15	8	12	9	16
Commercial printing	275	3	3	3	6	3	3	3	6
Commercial printing, letterpress	2751	4	6	5	8	4	5	5	8
Commercial printing, lithographic	2752	3	4	4	9	3	4	4	9
Engraving and plate printing	2753	5	9	6	14	5	10	6	14
Commercial printing, gravure	2754	4	3	7	5	5	4	7	6
Manifold business forms	276	4	4	5	8	4	4	5	8
Greeting card publishing	277	4	5	8	9	4	5	8	9
Blankbooks and bookbinding	278	4	4	5	8	4	4	8	5
Blankbooks and looseleaf binders	2782	5	6	7	11	6	6	7	12
Bookbinding and related work	2789	4	5	6	8	4	6	6	8
Printing trade services	279	6	6	7	9	6	6	7	9
Typesetting	2791	10	11	13	15	10	11	13	15
Photoengraving	2793	12	8	17	9	12	8	17	9
Electrotyping and stereotyping	2794	13	2	17	2	13	2	17	2
Lithographic platemaking services	2795	5	8	6	17	5	8	6	17
Chemicals and allied products	28	1	2	2	2	1	2	2	2
Industrial inorganic chemicals	281	5	6	5	8	5	6	5	8
Alkalies and chlorine	2812	15	12	20	13	11	11	12	13
Industrial gases	2813	9	10	12	29	9	10	12	29
Industrial inorganic chemicals, n.e.c.	2819	6	7	6	10	6	8	6	10
Plastics materials and synthetics	282	4	5	4	5	4	5	4	5
Plastics materials and resins	2821	6	8	6	8	6	8	6	8
Synthetic rubber	2822	6	6	8	9	6	6	9	9
Cellulosic man-made fibers	2823	3	1	5	5	3	1	5	5
Organic fibers, noncellulosic	2824	10	12	11	16	10	12	11	16
Drugs	283	3	3	4	4	3	3	4	4
Biological products	2831	8	9	11	10	9	9	11	11
Medicinals and botanicals	2833	6	8	8	9	6	8	9	8
Pharmaceutical preparations	2834	4	4	5	5	4	4	5	5
Soap, cleaners, and toilet goods	284	3	4	4	5	3	4	4	5
Soap and other detergents	2841	8	8	9	8	7	8	9	8
Polishes and sanitation goods	2842	5	8	7	14	5	8	7	15
Surface active agents	2843	7	12	8	34	7	12	8	34
Toilet preparations	2844	5	4	7	6	5	4	7	6
Paints and allied products	285	5	6	6	10	4	6	6	10
Industrial organic chemicals	286	6	7	8	9	6	7	8	10
Gum and wood chemicals	2861	8	7	11	9	8	7	11	9
Cyclic crudes and intermediates	2865	8	10	10	13	8	10	11	12
Industrial organic chemicals, n.e.c.	2869	8	10	10	14	8	10	11	14
Agricultural chemicals	287	4	4	5	7	4	5	4	7
Nitrogenous fertilizers	2873	6	7	8	10	6	7	8	10
Phosphate fertilizers	2874	8	10	9	13	8	10	9	13
Fertilizers, mixing only	2875	8	8	10	11	8	9	9	10
Agricultural chemicals, n.e.c.	2879	7	8	8	17	7	9	8	17
Miscellaneous chemical products	289	3	5	4	6	3	4	4	6
Adhesives and sealants	2891	5	7	6	7	5	7	6	8
Explosives	2892	6	9	7	10	6	9	8	12
Printing ink	2893	8	11	9	16	8	10	9	16
Chemical preparations, n.e.c.	2899	7	9	8	12	6	8	8	11
Petroleum and coal products	29	4	4	5	4	4	4	5	4
Petroleum refining	291	6	6	7	6	6	7	8	7
Paving and roofing materials	295	5	5	7	6	5	5	7	6
Paving mixtures and blocks	2951	11	9	15	14	11	9	15	14
Asphalt felts and coatings	2952	3	4	4	4	3	4	4	4
Miscellaneous petroleum and coal products	299	4	5	4	8	4	6	5	8
Lubricating oils and greases	2992	5	6	5	9	5	7	5	9
Petroleum and coal products, n.e.c.	2999	6	7	5	4	6	7	5	4

See footnotes at end of table.

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Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1983

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Rubber and miscellaneous plastics products..	30	2	2	2	3	2	2	2	3
Tires and inner tubes	301	3	3	7	5	3	3	7	5
Rubber and plastics footwear	302	4	5	5	5	5	5	5	6
Reclaimed rubber	303	3	4	5	2	3	2	5	1
Rubber and plastics hose and belting	304	5	3	8	4	6	4	8	5
Fabricated rubber products, n.e.c	306	3	3	3	3	3	3	3	3
Miscellaneous plastics products	307	2	3	3	4	2	3	3	4
Leather and leather products	31	2	3	3	4	2	3	3	4
Leather tanning and finishing	311	8	8	10	9	8	8	10	9
Boot and shoe cut stock and findings	313	4	5	3	4	4	5	4	4
Footwear, except rubber	314	2	3	3	5	2	2	3	5
House slippers	3142	8	10	8	10	9	10	9	11
Men's footwear, except athletic	3143	3	4	4	7	4	4	5	8
Women's footwear, except athletic	3144	5	6	6	9	4	4	6	8
Footwear, except rubber, n.e.c	3149	5	6	6	4	6	6	7	5
Leather gloves and mittens	315	6	13	5	25	6	13	5	25
Luggage	316	7	9	8	8	8	10	8	8
Handbags and personal leather goods	317	5	5	6	9	5	5	6	8
Women's handbags and purses	3171	6	8	7	16	6	7	7	15
Personal leather goods, n.e.c	3172	7	7	10	5	8	7	10	6
Transportation and public utilities		1	1	2	2	1	1	2	2
Railroad transportation	40	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Local and interurban passenger transit	41	3	3	5	5	3	3	4	5
Local and suburban transportation	411	6	6	9	10	6	6	9	10
Taxicabs	412	11	11	21	17	11	11	21	17
Intercity highway transportation	413	4	4	6	7	4	4	6	7
Transportation charter service	414	10	11	12	15	10	11	12	15
School buses	415	5	7	6	11	5	6	6	9
Bus terminal and service facilities	417	5	5	5	6	5	5	6	5
Trucking and warehousing	42	2	3	4	4	2	2	4	4
Trucking, local and long distance	421	3	3	4	4	3	3	4	4
Public warehousing	422	4	5	5	7	4	5	5	7
Trucking terminal facilities	423	6	6	8	18	6	6	8	18
Water transportation	44	4	4	5	5	4	4	5	5
Local water transportation	445	11	12	15	13	11	12	15	13
Water transportation services	446	5	5	7	6	5	5	7	6
Transportation by air	45	3	3	4	5	3	3	4	5
Certificated air transportation	451	3	3	5	5	4	4	5	5
Air transportation services	458	5	6	6	9	5	6	6	9
Pipelines, except natural gas	46	7	10	7	14	7	10	7	14
Transportation services	47	6	7	8	10	6	7	8	10
Freight forwarding	471	11	13	13	19	11	13	13	19
Arrangement of transportation	472	11	13	15	18	11	13	15	18
Miscellaneous transportation services	478	8	8	10	12	8	8	11	12
Communication	48	4	4	5	5	4	4	5	5
Telephone communication	481	4	4	6	5	4	4	6	5
Telegraph communication	482	7	6	12	8	7	6	12	8
Radio and television broadcasting	483	6	8	8	19	6	8	8	19
Communication services, n.e.c	489	8	8	8	11	8	8	8	11
Electric, gas, and sanitary services	49	2	2	2	3	2	2	2	3
Electric services	491	3	3	4	5	3	3	4	5
Gas production and distribution	492	5	6	7	9	5	6	7	9
Combination utility services	493	3	3	4	5	3	3	4	5
Water supply	494	4	5	5	15	4	5	5	15
Sanitary services	495	4	4	5	8	4	4	5	8
Steam supply	496	6	9	6	19	6	9	6	19
Irrigation systems	497	9	13	10	12	9	12	10	12
Wholesale and retail trade		1	1	1	5	1	1	1	5
Wholesale trade		2	2	3	4	2	2	3	4
Wholesale trade--durable goods	50	3	4	4	7	3	4	4	7
Motor vehicles and automotive equipment	501	5	6	6	12	5	6	6	11
Lumber and construction materials	503	6	7	7	16	6	7	7	16
Metals and minerals, except petroleum	505	10	6	14	9	9	6	14	9
Hardware, plumbing and heating equipment	507	14	17	16	35	14	17	16	35
Machinery, equipment and supplies	508	6	7	7	13	6	7	7	13
Miscellaneous durable goods	509	7	8	9	12	7	9	9	12

See footnotes at end of table.

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Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1983

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Wholesale trade--nondurable goods	51	3	3	3	5	3	3	3	5
Paper and paper products	511	11	12	16	15	11	12	17	15
Drugs, proprietaries, and sundries	512	16	17	20	27	16	17	20	27
Groceries and related products	514	3	3	4	5	3	3	4	5
Farm-product raw materials	515	6	8	8	15	6	8	8	16
Petroleum and petroleum products	517	16	19	20	34	16	19	20	35
Beer, wine, and distilled beverages	518	4	5	4	6	5	4	4	6
Miscellaneous nondurable goods	519	9	10	12	16	9	10	12	16
Retail trade		1	2	2	7	1	2	2	7
Building materials and garden supplies	52	3	4	4	7	3	4	4	7
Lumber and other building materials	521	3	4	4	7	3	4	4	7
Paint, glass, and wallpaper stores	523	15	19	17	24	15	19	17	24
Hardware stores	525	7	9	8	18	7	9	8	18
Retail nurseries and garden stores	526	11	15	13	30	11	16	13	30
General merchandise stores	53	2	3	3	5	2	3	3	5
Department stores	531	3	3	3	4	3	3	3	4
Variety stores	533	8	13	10	17	8	13	10	17
Food stores	54	2	3	3	4	2	3	3	4
Grocery stores	541	2	3	3	4	2	3	3	4
Automotive dealers and service stations	55	3	4	4	8	3	4	4	8
New and used car dealers	551	2	3	2	7	2	3	2	7
Auto and home supply stores	553	6	6	7	10	6	6	7	10
Gasoline service stations	554	16	19	19	29	16	19	19	29
Apparel and accessory stores	56	9	10	10	15	9	10	10	15
Family clothing stores	565	7	9	9	15	7	9	9	15
Furniture and home furnishings stores	57	6	7	7	16	6	7	7	16
Furniture and home furnishings stores	571	7	8	9	20	7	8	9	20
Household appliance stores	572	17	20	24	46	16	20	46	23
Radio, television, and music stores	573	12	15	14	32	12	15	14	32
Eating and drinking places	58	4	5	4	26	4	5	4	26
Miscellaneous retail	59	4	5	5	9	4	5	5	9
Drug and proprietary stores	591	7	10	8	16	7	10	8	16
Liquor stores	592	15	20	20	25	15	20	20	25
Miscellaneous shopping goods stores	594	11	13	13	18	11	13	14	18
Nonstore retailers	596	7	7	8	19	7	7	8	19
Fuel and ice dealers	598	13	14	17	18	13	14	17	18
Retail stores, n.e.c.	599	17	20	24	31	16	19	23	31
Finance, insurance, and real estate		3	3	3	7	3	3	3	6
Banking	60	5	5	6	10	5	5	6	10
Commercial and stock savings banks	602	5	6	6	11	5	6	6	11
Credit agencies other than banks	61	6	7	8	43	6	7	8	45
Savings and loan associations	612	6	6	8	11	6	6	8	11
Security, commodity brokers, and services	62	5	8	6	18	5	8	6	18
Security brokers and dealers	621	6	8	7	22	6	8	7	23
Security and commodity services	628	17	11	23	17	17	11	23	17
Insurance carriers	63	4	6	6	10	5	6	6	11
Life insurance	631	9	12	11	20	9	12	11	20
Medical service and health insurance	632	6	6	9	25	6	6	9	26
Fire, marine, and casualty insurance	633	6	6	9	8	6	6	9	8
Insurance agents, brokers, and service	64	8	12	10	57	8	12	10	-
Real estate	65	5	6	6	11	5	6	6	10
Real estate operators and lessors	651	7	8	9	17	7	8	9	14
Real estate agents and managers	653	12	14	16	24	12	14	16	23
Subdividers and developers	655	8	10	10	17	8	10	10	17
Holding and other investment offices	67	10	14	10	16	10	14	11	16
Holding offices	671	14	18	15	22	14	18	15	22
Services		1	2	2	2	1	2	2	3
Hotels and other lodging places	70	2	3	3	4	2	3	3	4
Hotels, motels, and tourist courts	701	2	3	3	4	2	3	3	4
Personal services	72	5	6	6	11	5	6	6	12
Laundry, cleaning, and garment services	721	6	7	7	12	6	7	7	12
Business services	73	5	7	6	10	5	7	6	10
Services to buildings	734	9	12	11	18	9	12	11	18
Personal supply services	736	10	12	11	18	10	12	11	18
Computer and data processing services	737	16	20	18	26	17	20	19	26
Miscellaneous business services	739	8	11	9	18	8	11	10	18

See footnotes at end of table.

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Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1983

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Auto repair, services, and garages	75	3	4	5	6	3	4	5	8
Automotive rentals, without drivers	751	6	6	9	11	6	6	9	11
Automotive repair shops	753	4	5	6	11	4	5	6	11
Automotive services, except repair	754	14	18	20	40	14	18	20	40
Miscellaneous repair services	76	5	5	6	10	5	5	6	10
Electrical repair shops	762	9	12	12	23	9	12	12	23
Miscellaneous repair shops	769	5	6	7	10	5	6	7	10
Motion pictures	78	12	12	13	12	12	13	13	13
Motion picture theaters	783	14	18	18	26	14	18	18	26
Amusement and recreation services	79	6	6	6	8	6	6	6	8
Bowling and billiard establishments	793	13	15	16	28	13	15	16	28
Miscellaneous amusement, recreational services	799	4	4	5	8	4	4	5	8
Health services	80	2	2	3	3	2	2	4	3
Nursing and personal care facilities	805	3	3	4	4	3	3	4	4
Hospitals	806	3	2	5	3	3	2	5	3
Legal services	81	6	9	8	29	6	9	8	34
Educational services	82	5	5	6	9	5	5	6	9
Colleges and universities	822	4	4	6	7	4	4	6	7
Libraries and information centers	823	5	5	5	5	5	5	5	5
Social services	83	4	4	5	8	4	4	5	8
Individual and family services	832	10	13	12	15	10	13	12	15
Job training and related services	833	8	9	10	16	8	9	10	16
Residential care	836	6	6	9	12	6	6	9	12
Social services, n.e.c.	839	9	9	12	18	9	9	12	18
Museums, botanical, zoological gardens	84	3	4	4	5	3	4	4	5
Museums and art galleries	841	4	5	6	8	4	5	6	8
Botanical and zoological gardens	842	4	7	5	4	4	7	5	5
Membership organizations	86	13	14	17	22	13	14	18	24
Civic and social organizations	864	7	9	9	16	7	9	9	16
Membership organizations, n.e.c.	869	14	18	15	17	14	18	15	17
Miscellaneous services	89	7	8	8	16	7	8	8	16
Engineering and architectural services	891	8	10	9	20	8	10	9	20
Noncommercial research organizations	892	10	15	9	7	10	15	9	8
Accounting, auditing, and bookkeeping	893	32	20	48	25	32	20	48	25

1/ Standard Industrial Classification Manual, 1972 Edition, 1977 Supplement.

2/ See discussion on the reliability of estimates.

3/ Relative standard error of zero or less than 0.5.

n.e.c. = Not elsewhere classified.

NOTE: Dashes indicate that data do not meet publication guidelines. Relative standard errors were not calculated for the mining division, coal and lignite mining (SIC 11 and 12), metal and nonmetal mining (SIC 10 and 14), and railroads (SIC 40).

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Table A-2. Relative standard errors for measures of occupational illnesses by industry, 1983

Industry	SIC code 1/	Relative standard error 2/	
		Total cases	Lost workday cases
Private sector		2	3
Agriculture, forestry, and fishing		6	9
Agricultural production	01-02	8	11
Agricultural services	07	12	16
Forestry	08	14	22
Fishing, hunting, and trapping	09	34	44
Mining		10	14
Oil and gas extraction	13	39	30
Construction		7	10
General building contractors	15	17	20
Heavy construction contractors	16	12	19
Special trade contractors	17	10	14
Manufacturing		1	1
Durable goods		1	2
Lumber and wood products	24	6	7
Furniture and fixtures	25	4	5
Stone, clay, and glass products	32	6	6
Primary metal industries	33	4	5
Fabricated metal products	34	3	4
Machinery, except electrical	35	3	4
Electric and electronic equipment	36	3	3
Transportation equipment	37	3	3
Instruments and related products	38	12	9
Miscellaneous manufacturing industries	39	6	14
Nondurable goods		2	2
Food and kindred products	20	3	3
Tobacco manufactures	21	11	11
Textile mill products	22	9	19
Apparel and other textile products	23	7	8
Paper and allied products	26	6	8
Printing and publishing	27	8	14
Chemicals and allied products	28	4	7
Petroleum and coal products	29	12	16
Rubber and miscellaneous plastics products	30	7	8
Leather and leather products	31	6	7
Transportation and public utilities		8	14
Local and interurban passenger transit	41	32	50
Trucking and warehousing	42	46	-
Water transportation	44	13	17
Transportation and public utilities-continued.			
Transportation by air	45	13	15
Pipelines, except natural gas	46	39	-
Transportation services	47	-	-
Communication	48	13	15
Electric, gas, and sanitary services	49	8	10
Wholesale and retail trade		12	21
Wholesale trade		15	20
Wholesale trade--durable goods	50	19	25
Wholesale trade--nondurable goods	51	24	30
Retail trade		18	32
Building materials and garden supplies	52	25	49
General merchandise stores	53	-	-
Food stores	54	25	24
Automotive dealers and service stations	55	24	-
Apparel and accessory stores	56	-	-
Furniture and home furnishings stores	57	53	-
Eating and drinking places	58	35	-
Miscellaneous retail	59	57	-
Finance, insurance, and real estate		13	18
Banking	60	26	35
Credit agencies other than banks	61	33	28
Security, commodity brokers, and services	62	52	41
Insurance carriers	63	16	18
Insurance agents, brokers, and service	64	40	40
Real estate	65	27	44
Holding and other investment offices	67	27	21
Services		6	8
Hotels and other lodging places	70	10	14
Personal services	72	39	49
Business services	73	26	34
Auto repair, services, and garages	75	25	41
Miscellaneous repair services	76	28	55
Motion pictures	78	33	20
Amusement and recreation services	79	16	27
Health services	80	7	11
Legal services	81	25	42
Educational services	82	14	18
Social services	83	18	28
Museums, botanical, zoological gardens	84	12	22
Miscellaneous services	89	23	38

1/ Standard Industrial Classification Manual, 1972 Edition, 1977 Supplement.

2/ See discussion of reliability of estimates.

NOTE: Dashes indicate that data do not meet publication guidelines. Relative standard errors were not calculated for the mining division, coal and lignite mining (SIC 11-12), metal and nonmetal mining and quarrying (SIC 10 and 14), and railroads (SIC 40).

Table A-3. Relative standard errors for occupational injury and illness fatalities for employers with 11 employees or more by industry division, 1983

Industry	Relative standard error 1/
Private sector	7
Agriculture, forestry, and fishing	35
Mining	24
Construction	13
Manufacturing	6
Transportation and public utilities	15
Wholesale and retail trade	23
Finance, insurance, and real estate	48
Services	35

1/ See discussion of reliability of estimates.

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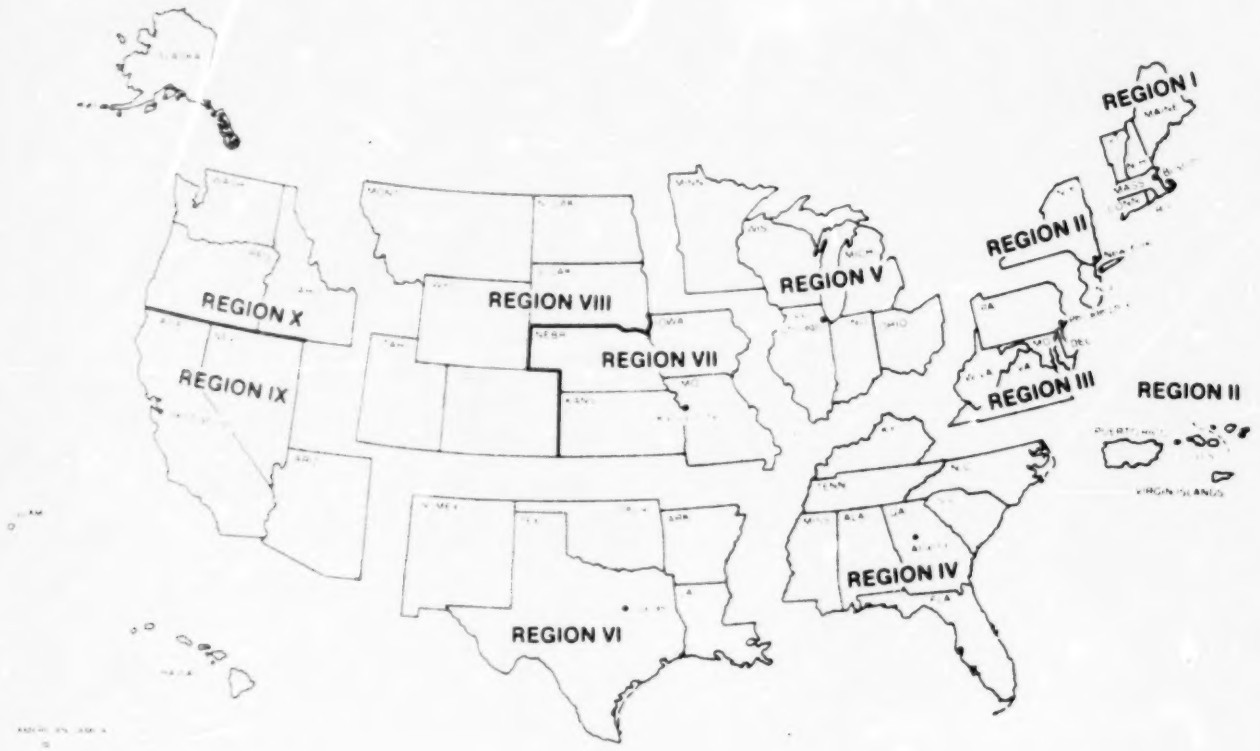

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